# Following Science to The Meaning of Life



...The quest for questions left unanswered

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# The Meaning of Life

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# God is Dead?

In 1882 Friedrich Nietzsche declared that "God is dead".

With the limited understanding of science at that time, the existence of a superior being was a highly debatable issue. No understanding of proteins, the cell was thought of as a gelatinous blob that could easily spring out of the prebiotic waters, they believed the universe had no beginning and had been in it's present form forever. Truly, no God was needed because of the assumptions made by the great minds of the day.

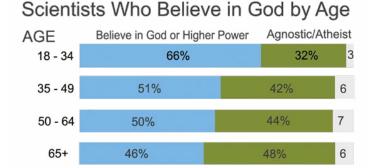
Now, over 130 years later, we have a decent grasp on how the mechanics of life work, complexity of proteins, the beginning and eventual end of the universe, the exacting parameters required for the laws of physics to give us the material world. Our knowledge has expanded at an exponential rate over the last couple of decades. So much new information exists that it is hard to keep up with its impact on our existing theories.

Amazingly, the science that once was thought to have killed God has now revived him. It becomes more evident with each new discovery. Yet, the biggest surprise of all is the death blow that it has dealt to naturalism. I think it can be safely said, when looking at the overwhelming weight of evidence, that naturalism is dead.

When we look at the latest discoveries, we see the clear outline of a logical path as to how we got here. This path becomes obvious as we fit all the pieces together of the individual branches of science.

One propaganda myth that needs to be addressed is that 93% of scientists are atheists. This is from the National Association of Scientists who comprise less than 1/10 of 1% of scientists and engineers in the U.S.

A majority of scientists believe that something larger than ourselves is out there. According to a 2009 Pew Research Center poll, 51% believe in God or a universal spirit, (33% for God and 18% for universal spirit), only 41% are agnostic or atheist. The true figure for scientists who are purely atheistic is only 17%, a far cry from the 93% figure used by the evangelists of atheism to promote their cause.



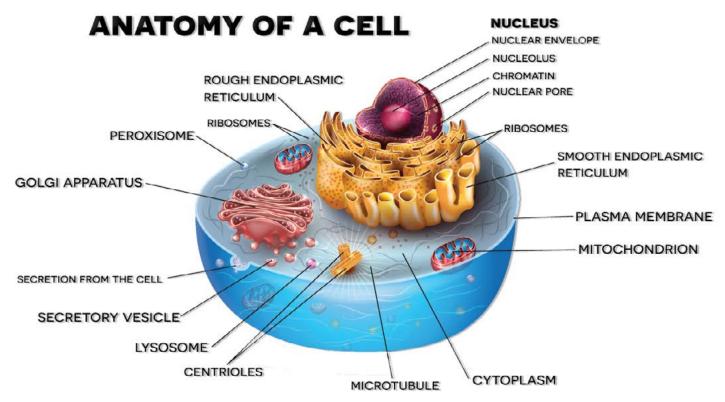
Pew Research Center poll 2009

What is even more telling about that poll is the fact that among younger scientists, aged 18-34, 66% believe in God or a higher power. As new discoveries are made it becomes harder to deny the obvious engineering of the universe and life. This flies in the face of the prediction by the previous generations of atheists, that each successive generation would become increasingly atheistic as knowledge increased. Just the opposite is happening as you can see from this age breakdown of the poll: Many scientists that were atheists have become believers in God or a higher power because of discoveries in microbiology, genetics, astronomy, etc... as they realized the impossibility of naturalism. This is telling, in that, even after being indoctrinated for years in the colleges the majority still see the evidence for God.

Modern science shows the intelligence behind life and the material world. The thing leading us to a belief in God is what we know, realizing that it is impossible to have this kind of complexity occur naturally. The same as if we looked at a skyscraper or car and could tell that they required an intelligent being to engineer them. The following chapters will shed light on how these systems work; in order to solve for what would be capable of producing life and the universe and ultimately to find the explanation of why we are here.

# **Biogenesis**

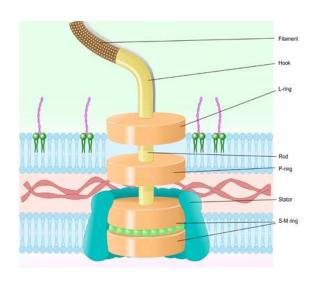
Of all the things concerning life and the universe that clearly show a sentient force behind them, the strongest of these is the beginning of life or biogenesis. Abiogenesis means biogenesis from inanimate matter, without God, which is what this chapter deals with.



All life consists of cells. Inside of these cells proteins do the work of feeding, repairing, removing waste, transportation, reproducing, and specialized functions.







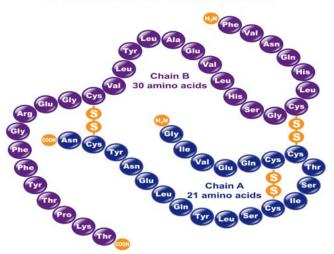
Flagellum (biological motor)

A simplified illustration of how proteins interact to perform their tasks is to compare them to parts in a motor. Just like the parts in a motor, the proteins have to fit together exactly and be made of the right material to accomplish their job. The only difference is the extreme precision and chemical complexity required for proteins to interact. Machine parts are very simple when compared to their biological counterparts.

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Proteins are made up of strings of amino acids (polypeptides) that can vary from 20 to over 36,000 in

# **Human Insulin**

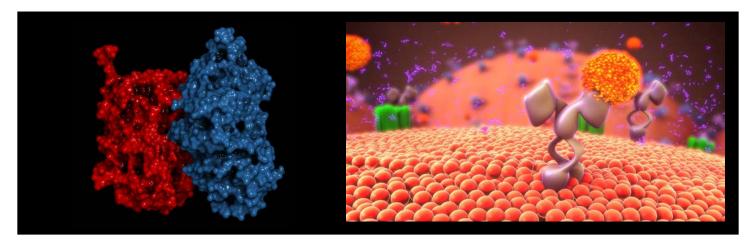


length, folded into the correct shape to interact with each other. There are 23 different amino acids in life, 20 standard and 3 rare.

20 Standard Amino Acids Used by Life			
ala - Alanine	gln - Glutamine	leu - Leucine	ser - Serine
arg - Arginine	glu - Glutamic Acid	lys - Lysine	thr - Threonine
asn - Asparagine	gly - Glycine	met - Methionine	trp - Tryptophane
asp - Aspartic Acid	his - Histidine	phe - Phenylalanine	tyr - Tyrosisne
cys - Cysteine	ile - Isoleucine	pro - Proline	val - Valine

The shape of the proteins are what dictate their ability to interact with each other and do the functions necessary for life. There are only about 5,000 different shapes that allow for protein to protein interactions. This is what limits the usability of amino acid chains (polypeptides) in life.

The attractions of the amino acids determine how the protein is folded



The exacting shape needed for proteins to interlock

Proteins interacting in functions to support life

An infinitesimally tiny fraction of these polypeptides will be usable in life as a protein (1 in 10<sup>355</sup>), thus the main problem with naturalism is the extreme rarity of proteins.

Consider <u>an average sized protein</u> that is made up of a chain of 283 amino acids, this makes over 10<sup>368</sup> possible variations that those amino acids can be arranged.

Estimates for how many different variations of proteins exist vary from 10 million to 10 trillion( $10^{13}$ ). Even using the largest number of  $10^{13}$  means that the odds of getting an protein is  $10^{13}$  in  $10^{368}$ .

This is a gigantic number; to give an idea of how large it is there are only 10<sup>80</sup> atoms in the entire universe. This is why you don't find proteins outside of life.

To show you the impossibility of getting even 1 distinct protein, let's take all of the 10<sup>80</sup> atoms of the universe and convert all of them to amino acids. Put them together and try 1 billion different combinations per second, it would take over 10<sup>258</sup> years to produce our first protein. That dwarfs the age of the universe by 10<sup>247</sup> times.

This is why it is impossible to give rise to an organism that requires many proteins working together to produce life. The smallest amount of proteins needed for life, estimated by Pnas.org, is 256. So, take that impossible number we just calculated and multiply it by 256. Take into account they all have to be there at the same time, in the same proximity and they have to be the exact proteins that can interact with one another to perform the basic functions of the cell.

Some atheistic websites try to play with the numbers and make the proteins much smaller than the average shown here. It is highly improbable that the smaller proteins would be able to do the jobs necessary for life. But, even with these smaller chains you still have insurmountable odds against a working cell.

If that isn't enough to prove the impossibility of this feat, there are even more problems. Briefly, these further roadblocks to abiogenesis are:

**Chirality** - Amino acids that are naturally produced outside of life come in left hand and right hand equally, life has only left handed. The odds stack higher when taking this into account. A chain of 283 amino acids, all being left handed, adds an extra 1 in 10<sup>85</sup> chance against each protein.

**Non-Protein Amino Acids** - The above calculations are used with only the 20 protein building amino acids, there are actually about 500 amino acids that would be created naturally. This makes the real life exponential numbers even more staggering, to more than 1 in 10<sup>763</sup>.

While all the above numbers deal with only 1 protein, Fred Hoyle, the famous British mathematician, puts the odds of getting the, more realistic, 2000 proteins necessary for rudimentary life, at 1 in 10<sup>40,000</sup>. He also comments on abiogenesis.

"Once we see, however, that the probability of life originating at random is so utterly minuscule as to make it absurd, it becomes sensible to think that the favorable properties of physics on which life depends are in every respect deliberate .... It is therefore almost inevitable that our own measure of intelligence must reflect ... higher intelligences ... even to the limit of God ... such a theory is so obvious that one wonders why it is not widely accepted as being self-evident. The reasons are psychological rather than scientific."

#### The RNA World

The impossibility of a working protocell has led to another theory for abiogenesis, starting with a self replicating RNA molecule. The theory is that RNA strands were in this prebiotic soup of amino acids and they self replicated, mutating until they turned into all different types of proteins and eventually cells.

The first life we have in the fossil record comes on the scene very shortly after the earth has formed and cooled. It is cyanobacteria, or blue-green algae, an organism that is still around today and leaves the exact same fossils. It consists of 1700 to 7000 averaged sized proteins, including the complex photosynthesis DNA. This is the kind of sophisticated interaction of proteins, inside of cells, that came about in a short time frame.

You could fill the entire earth with self replicating RNA and still not get one protein, because we still have the same problem of rarity mentioned in the above paragraphs.

You could fill a massive amount of universes and still not get one protein. But, we need over 1700 proteins to achieve our goal within a short geological timespan. So, if it is impossible for 1 protein, then for 1700 proteins it is insane. There is no way self-replicating RNA could have produced life.

#### Other problems with RNA

If that basic problem isn't enough then consider these other problems.

**Chirality -** RNA uses left handed amino acids to make its chains. There are left handed and right handed amino acid molecules, they are made equally when they are produced abiotically. A right handed amino acid will stop the whole process.

Researchers were working with an engineered RNA ribozyme known as TC19Z, that has 198 bases, touting it as a top contender for a self replicating RNA strand(even though it can't self replicate). What they failed to consider is that to get the same handedness 198 times with 2 options means you have a 1 in  $2^{198}$  or a 1 in  $10^{59}$  chance to get that outside of the the laboratory.

There are only 10<sup>47</sup> water molecules in all of the oceans, so obviously a single handed RNA strand this long is impossible to be produced by chance. The researchers used the same handedness for the bases when creating this, then populated the surrounding area with all left handed amino acids of only the right type. Even with all of this blatant engineering to favor abiogenesis, they still could not produce a self replicating RNA strand.

**RNA** is too fragile, with a half life of only 2 minutes, abiotic self assembly is unattainable. This reason is why most scientists write off the ability of RNA to have any practical use outside of the cell. Nasa echoes this view in a report after a 1996 astrobiology workshop, "RNA is chemically fragile and difficult to synthesize abiotically."

No **fossil or chemical record** in the early rocks, which would have been left behind if the RNA world had actually existed. This very fact should put the whole theory to rest. This idea is impossible to begin with, but even more so on a scale so small that it would not have left it's mark in the prebiotic rock layers.

The proof of a creator is made obvious in the beginning of life, because of the rarity of the proteins and the precise way in which they interact to perform their functions. That rarity makes life starting without an engineer inconceivable.

## **Evolution**

Most evolutionists believe that once they have a self-replicating chemical reaction, the evolutionary process will "magically" supply our current diversity of life.

The problem with that is the mechanism driving evolution is mathematically impossible.

Evolution is supposedly driven by mutations, they allegedly create new proteins that make the variations



Picture of mutation in base pair caused by UV radiation

we see in life. But, the same problem, rarity of proteins, that plagues the creation of life destroys any possibility of random mutations being the mechanism for creating new proteins.

If every mutation created a new protein then you might argue a case for evolution. Although, it would still be difficult because of the exacting way each individual protein fits together and interacts. But, when you have a 1 in 10<sup>355</sup> chance of even getting a distinct protein to start with, this theory has absolutely no chance of occurring in the real world.

The theory that mutations can create new forms of life, by adding new proteins, is even more impossible than abiogenesis.

To put this into perspective; consider the estimated 5 x 10<sup>30</sup> bacteria on earth, which is over 99.9% of life on earth.

Now, let's give some outlandish assumptions in favor of evolution:

- 3.5 billion years with 5 x 10<sup>30</sup> organisms on earth
- 1 hour reproduction rate (would equal 10 times the weight of the earth in bacteria in 24 hours)
- 3 mutations per generation (which is 1000 times more than the actual .003)

#### 3.5 bil. years x 5 x $10^{30}$ organisms x 8760 hours in year x 3 mut. = 4.6 x $10^{44}$ total mutations

 $4.6 \times 10^{44}$  mutations doesn't even come close to the  $10^{355}$  tries for a protein. Explaining the 160,000 recorded proteins, that exist in living things with a process that cannot even produce 1 protein shows the intrinsic failure of this theory.

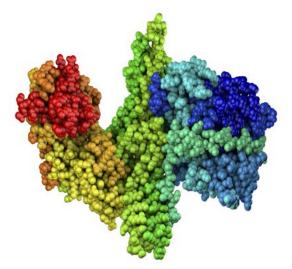
Then we have the titin protein, this monster is the largest coming in at up to 36,000 amino acids in length (33,000 in humans). It is responsible for the elasticity in the muscles. The odds of getting this protein is well over 1 in 10<sup>46000</sup>.

To complicate things further, not only do we have to get a protein, but we have to get the exact protein that fits and works with the others to accomplish the work necessary. The interlocking nature is what makes them able to do their tasks, when you change the shape in the slightest you make them useless, or at best weakened.

You would have to change each of the interacting proteins at the same time, replacing them with ones that would do the task better, as well as precisely fit together... It simply is never going to happen.

A mutated protein may still be able to perform the task to a lesser degree, depending on where the

shape is changed. This handicap from the mutation will vary in intensity, but it will still be a handicap in a normal environment.





Precision of fit for multiple proteins working together

Engine has less complexity and tolerances

If you can picture the precision of a car engine and how tight the tolerances have to be to allow it to run. Now, take that precision times millions, down to the molecular level, and you will get an idea of what is going on inside of our cells. The idea that a mutation, that randomly changes the shape or chemical makeup of this highly precise interaction, will improve its function is preposterous.

Imagine the engineers of Ford taking their V8 to the firing range and shooting it with bullets to try and improve the engine. The only thing they would accomplish is ruining an engine and getting fired themselves. No sane person, that understands how an engine works, would do this or think it would improve the engine in any way.

Evolutionists have actually done their own version of this to fruit flies by shooting them with radiation. Experimentation has been going on for over 100 years, with some experiments speeding up mutation rates by as much as 15,000 %.

They have produced the equivalent of millions of years of evolution and still there have been no improved characteristics. They have successfully created 3 things with all of the effort and money invested; fruit flies, mutated fruit flies and dead fruit flies. They do brag of a four winged mutant fly as an improvement, but they fail to mention; it can't fly.

A serious lack of understanding of how the cells work at the molecular level is the only reason these ideas are given any credence. The very protein mechanisms that interlock and move to perform the work are not taken into consideration. Evolutionists have this perception that evolution accomplishes tasks as if it were a sentient being. When you actually look at the way that cells work, you see how impossible it is for damage to DNA to do anything good and how harmful random mutations are to the original design.

The majority of proteins work together as a group, when one protein of the group is changed it affects the ability to interlock with the other proteins degrading or destroying the integrity of the function. You would have to change the shape of all the proteins in that specific function to keep the integrity intact. In other words, you have to redesign and re-engineer the entire group if you want to improve the function.

Another roadblock to evolution is the fact that each gene in the eukaryotic cell produces an average of **5 or 6 different proteins**, with some producing much more. The cSlo gene in chickens produces 576 different proteins and the Drosophila DSCAM gene has 38,000 possible protein combinations.

So, even if a mutation miraculously achieves a better version of a protein, it would alter the genetic code of 4 or 5 more proteins. So, we not only have to get a protein that works with a mutation, but the other proteins also have to be affected in a positive or neutral way.

For years it was thought that one gene made one protein. But, the discovery of exons and introns in 1977, showed how the mechanism worked allowing for mulitiple proteins with one gene. This should have made evolutionists seriously reconsider the validity of their theory.



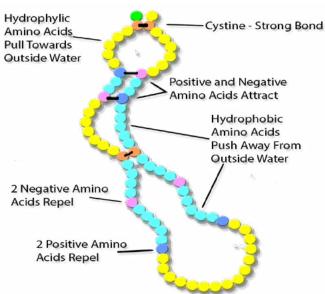
The importance of the shape of a protein can be shown by hemoglobin (the red blood cell). Just one amino acid different can produce the disease sickle cell anemia. Glutamic Acid is switched for Valine and the result is a painful, debilitating disease that lowers the average life span to 14 years without treatment, and to mid 30's with modern medical treatment.

Sickle cell and normal red blood cell When a mutation affects an amino acid that directs folding then the whole organism can be in peril. In some cases the function may not be necessary for survival, like eye color, hair or melanin, in which case the mutation may destroy the protein but not the organism.

The 5 basic types of amino acids, that help shape the proteins, by different attractant forces are shown in the chart to the right. This chart shows how codons (left side) determine the amino acid. Notice that different codons can produce the same amino acid. But, the protein may be changed because some of the some codons (duons) also serve to regulate production as part of a highly complex system.

The amino acids determine the shape of the proteins based on attraction or repulsion.

- -The positive and negative attract.
- -Cystine amino acids make a strong bond.
- -The water attracting amino acids pull outward.
- -The water repelling push inward.



The attractive and repellent forces that

determine the shape of the protein

There are 5 different types of amino acids that determine the shape of a protein:

Water Repelling

Positive

Cystine Rond

Water Attracting

Negative

Cystille Bolid			
UUU = Phenylalanine	UCU = Serine	UAU = Tyrosisne	UGU = Cysteine
UUC = Phenylalanine	UCC = Serine	UAC = Tyrosisne	UGC = Cysteine
UUA = Leucine	UCA = Serine	UAA = Stop	UGA = Stop
UUG = Leucine	UCG = Serine	UAG = Stop	UGG = Tryptophane
CUU = Leucine	CCU = Proline	CAU = Histidine	CGU = Arginine
CUC = Leucine	CCC = Proline	CAC = Histidine	CGC = Arginine
CUA = Leucine	CCA = Proline	CAA = Glutamine	CGA = Arginine
CUG = Leucine	CCG = Proline	CAG = Glutamine	CGG = Arginine
AUU = Isoleucine	ACU = Threonine	AAU = Asparagine	AGU = Serine
AUC = Isoleucine	ACC = Threonine	AAC = Asparagine	AGC = Serine
AUA = Isoleucine	ACA = Threonine	AAA = Lysine	AGA = Arginine
AUG = Methionine	ACG = Threonine	AAG = Lysine	AGG = Arginine
GUU = Valine	GCU = Alanine	GAU = Aspartic Acid	GGU = Glycine
GUC = Valine	GCC = Alanine	GAC = Aspartic Acid	GGC = Glycine
GUA = Valine	GCA = Alanine	GAA = Glutamic Acid	GGA = Glycine
GUG = Valine	GCG = Alanine	GAG = Glutamic Acid	GGG = Glycine

The 3 letter RNA is a codon that determines the amino acid

For example, if profine is exchanged for leveline they are both hydrophobic amino acids so the shape may be affected by regulatory processes. If lysine (positive charge) is changed to glutamic acid (negative charge) then we will see a more dramatic change.

This is a basic look at how mutations affect protein shape. This is only an overview of the process, but clearly shows the complexity and engineering. There are no natural forces that could have possibly produced this complex set of instructions.

#### **Evolution is a fact?**

**Shared genetics** is one reason that evolutionists believe their theory is a proven fact. Organisms share the same basic DNA, the more similar organisms are, the more DNA they have in common. This does not prove evolution, it points equally to a common designer using the same code to write for similar proteins to do similar jobs.

When you see a product of a designer, whether it is a house, painting, car, writing... you see the same elements of design in their creations. That is how you can tell a Rembrandt painting from another artist or a Frank Lloyd Wright house from other architects.

The fact that all cells on earth can read the DNA from any other cell is another proof of a designer. If evolution were true then there is no way that cells would diverge for billions of years and not have changes and adaptations that would separate their basic code structure. To say that a perfect solution was immediately, accidentally stumbled upon by a blind process in the first cells, and never improved upon by that process in subsequent generations is highly improbable. In a true evolutionary world we would have a multitude of DNA systems that would have drifted apart enough to not be interchangeable. It does, however, point to an original designer that didn't need to improve on the system installed in the original cells.

**Pseudogenes** are another "proof" of evolution that is touted by evolutionists. They are genes from older generations that are no longer used by the organism that have been turned off instead of removed. Whether a designer turns a gene off or removes it is not proof of anything. As we learn more about DNA and the systems it controls, we may find that there is a perfectly good reason for pseudogenes. Just like we found that the supposed "junk DNA" is still an active part of the system. It is a weak argument when compared to the question of how the gene, coding for a distinct protein, got there in the first place. A question that is impossible for evolution to answer.

**Vestigial Organs** are also listed as proof of evolution. As many as 100 organs have been listed in the past as useless leftovers from ancestors. All of these have been shown to be useful, some even necessary for life. It was simply the inability of man to figure out their purpose. This outdated argument, inherited from the previous generation of evolutionists, is still in use today, so I will address a few of these "vestigial arguments".

- Whales have useless remnants of hind legs from their land based ancestors.

The whale hind legs are used in reproduction.

- Flightless birds have wings that are useless.

Wings on flightless birds are used for balance.

- The human tailbone(coccyx) is a useless leftover from tales.

The human tailbone has tendons and ligaments attached to it, as well as stablilizing when a person is sitting.

- The appendix is a useless leftover from digesting leaves

The **appendix creates white blood cells** and refills the system with good bacteria. It is also on marsupials and scattered throughout mammal species in a way that it would have had to independently **evolve 32 times**; definitive proof of a designer.

- The plica semilunaris is left over from reptiles nictitating membranes (third eyelid).

It secretes a substance, that works in conjunction with tears, to help remove particulates from the eyes minimizing damage when foreign particles get in.

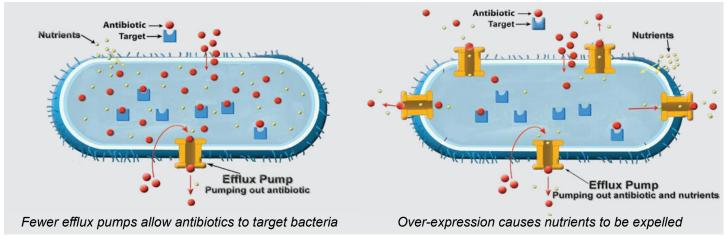
There are many more examples from evolutionists, but not a single one that I have seen is actually legitimate. Most of these are old arguments, long since debunked, that were deemed useless over 150 years ago in an age when we were ignorant of many functions of the body.

#### **Antibiotic Resistance in Bacteria**

Do antibiotic resistant strains of bacteria prove evolution? No, they do not. Again, we have to look at the actual mechanics of how things work in order to understand what is going on. There are three ways, that we know of, in which a bacteria can become antibiotic resistant.

**#1 - Efflux Inhibitors:** The efflux pump is in the wall of the cell and removes the antibiotic before it can disrupt the cell. Most bacteria have the genes for this trait, the ones that don't can acquire them from a horizontal gene transfer from one bacteria to another. This is an ancient set of genes that were around long before man made antibiotics. This has nothing to do with evolution, it is an already existing system with multiple genes that is triggered by toxins.

The efflux system can be over-expressed, making many pumps to detoxify the cell even more, but it also exports nutrients and molecules that regulate enzymes. This gives it a serious disadvantage compared to



it's non-mutant counterparts in a normal environment. Saying that this is evolution creating a superior life form is simply untrue, the original design is still the most viable and will choke out the mutant when placed in a culture together.

In the Oxford Academic, Journal of Antimicrobial Chemotherapy, it states, "Unregulated over-expression of efflux pumps is potentially disadvantageous to the bacterium as not only will toxic substrates be exported but also nutrients and metabolic intermediates may be lost. Work with P. aeruginosa has suggested that mutants over-expressing Mex pumps are less able to withstand environmental stress and are less virulent than their wild-type counterparts."

- **#2 Degrading Proteins:** The bacteria will produce an enzyme called beta-lactamase that will deactivate the beta-lactam (from fungi) in penicillin, rendering it useless. The DNA for beta-lactamase is also of ancient origin, known to exist long before the Cambrian explosion in bacteria. When attacked, the bacteria can activate the genes to produce the counteracting agent, or can get them from a horizontal DNA transfer from other bacteria. This is not an evolutionary adaptation! This is a perfect example of design that allows bacteria a defense against toxins, created by fungi, to maintain a balance in the ecosystem.
- **#3 Mutated Protein:** A mutation can occur that changes the protein enough that the antibiotic can not bind to it, but still allows for it to do it's job to a lesser efficiency. This allows for further production of the cell, but it loses much of its viability. The mutated cell cannot compete with the original bacteria when it is reintroduced to a normal environment because of the mutated proteins limited abilities. That is because the original design is the best for the organism and the most viable in normal circumstances.

This is an example of genetic degeneration.

This is <u>not</u> an example of genetic ascension.

Mutations do not create superior organisms! We know this because of the protein to protein interaction, the way that they fit together is as perfect as you can get. The mechanics, at the molecular level, show the optimal design of the original blueprint coded into the DNA. Some mutations can perform the function to a lesser degree, but they are an inferior substitute.

The antibiotic resistant "super strains" are actually a weakened version of the original bacterial strains. The people most susceptible to these strains are people that suffer from weakened immune systems already. If these mutated organisms outperformed their counterparts in the wild type environment then it would be an example of evolution, but they don't.

Before the accidental discovery of penicillin we were helpless against aggressive bacterial diseases. It is only through the ancient DNA in mold that we even have a way to fight back. To use this ecological balancing act between fungus and bacteria to erroneously point to proof of evolution is misleading.

If there was actually room for genetic improvement and bacteria could become super killers, then they most certainly would have. All we have to do is look at our own personal struggle with bacteria throughout our lifetime and the possible mutations. With 40 trillion bacteria in our bodies there are about 16.8 quintillion mutations in an 80 year lifespan.

#### **Bacteria in Humans**

Number of Organisms 4 x 10<sup>13</sup>
Time per Generation 12 hours
Generations in 80 years 58,400

Mutations per Generation .003

Total Mutations 7 x 10<sup>15</sup>

There are only about 3 million base pairs in the average bacteria; that means each base will be changed 2.4 billion times by mutations. Take that times the 7 billion people currently on this earth and you can see if the proteins weren't already optimally designed then we wouldn't stand a chance. The evolved "superbugs" would consume us within a generation.

#### **Virus**

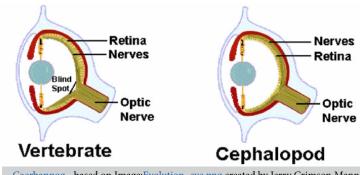
I will mention the mutations of the cold, flu and other virus just to point out the fact they are a virus, not a cell. It is merely a set of genes with a shell that has to use subterfuge to get to the cells nucleus to reproduce itself, most biologists don't even consider it alive. It uses the DNA from the host and other viruses in the same cell, combining and changing to confuse the immune system so it can attack an organism again. The mutations of the cold and flu virus have nothing to do with evolution. The changes in a non-living virus and mutations in a cell do not compare.

#### **Convergent Evolution**

The idea that the same or very similar characteristics could evolve in different lineages. It is far

fetched that a blind process could be responsible for the amazing similarities, but it makes perfect sense that a designer would use the same characteristics in different groups of animals.

There are many examples of convergent evolution which destroy this unguided theory. I am only going to show the eye, that supposedly evolved from vertebrates and then again in cephalopods, separate from each other.



To think this complex organ could evolve even one time is extraordinary. But, evolutionists believe it may have co-evolved up to 50 to 100 different times in different types of animals.

This one example should have soundly disproven the theory of evolution by itself because it is not even remotely possible and is solid proof of a designer.

#### **Pragmatist vs Evolutionist**

Our school systems and colleges teach mutations lead us to new evolutionary heights, but they are considered harmful by our court system and by the FDA. By our court system because incest is illegal and by the FDA because drugs that cause mutations are banned from use.

Evolutionists would acknowledge that incest and mutations are bad for the potential children's sake. Yet, they claim they are responsible for the diversity of life and improved traits. The pragmatic side, condemning these things, shows that they know that mutations are bad.

A sad irony is the fact that the messiah of evolution, Charles Darwin, married his first cousin. He had 10 children - 2 died very young, 1 died at 10 (possibly of tuberculosis) and 4 had no children. This is a predictable pattern based on the mutational similarities first cousins carry.

According to some accounts, he lost faith in God due to the death of his 10 year old daughter, but it is very possible that she would not have died had she not been genetically weakened from being the offspring of first cousins. Had he known of mutations and genetics then he would have chosen a partner that would have led to healthier children.

Farmers and breeders openly acknowledge that mutations are bad and go to great links to keep pedigrees so that they do not breed animals that are too closely related.

So, in a practical sense we all agree that mutations are harmful. If evolutionists really believed that mutations were responsible for the diversity of life and our ascension in the animal kingdom, then they should be promoting methods of increasing them. If they are true believers in Darwin's theory then they should follow his lead and marry their cousins, allowing mutant DNA to express itself more freely.

#### Teaching flawed science

For this to be taught as fact to students, even though it is mechanically impossible, is a true setback to science. In the spirit of science free discussion of the evidence against evolution should be presented in the classroom and in the scientific journals, but it is not allowed. As we discover more about life it becomes increasingly clear that there is nothing accidental about it, that there is something much larger at work. At some point the establishment is going to have to come to grips with this failed theory, the same as it did when Darwin's theory of acquired traits was proven false in the early 1900's, after 50 years of being accepted as fact.

Being close minded and not allowing free discussion is what atheists accuse religious people of doing. But, evolution has become a religion, and its more prominent adherents have made it clear that there is no room for debate on the academic or institutional level. Science is about seeking the truth; how are you going to find the truth if you only look at a narrow subset of theories and refuse to listen to any criticism of them. The narrow mindedness of some Scientists in this particular area is perplexing.

Many of the leading militant atheists, who encourage others to berate those who believe in God by comparing it to believing in the Easter Bunny or the flying spaghetti monster, support SETI. SETI looks for alien life by listening for patterns in radio waves that point to intelligent origins. They will scour the universe for the slightest evidence of extraterrestrials that might be a little bit superior to us, but they ignore mountains of evidence that point to the existence of something that is infinitely superior. They think it is okay to believe in UFO's, but not God.

#### The death of logic and reason

Science equals logic and reason, it is deducing the most likely cause of events based on facts, similar to the reasoning that law enforcement uses to solve crimes. Science does not equal blind faith, and it does not exclude possibilities based on prejudice.

That would be the same as a bad detective that makes up his mind who is guilty and then allows only evidence to prove his case and represses evidence that disproves it. A lot of innocent people are in prison because of this.

The case for evolution is very similar, we have the scientists who think they have already solved the case and are only using evidence that advances their conclusions. They are ignoring the obvious facts that show the true solution to the case because they have embraced the wrong conclusion.

The materialist only version of science, that is being defined by the atheistic evangelists, has hijacked true science and turned it into a religion. Scientific laws are based on proof beyond a reasonable doubt. The evidence of design is so strong that many atheist authors tell their readers repeatedly, "to ignore the appearance of design". Basically, telling their readers, "don't believe what you see, believe what I am telling you".

The laws that make up the natural world unequivocally prove a designer, with the mountain of evidence pointing to intelligence behind life, it is highly illogical to throw it out as a theory.

In the past man attributed everything to God, from the sound of thunder to a leaf falling. Studying the natural laws was held back at times by this prejudice. This mode of thinking was abandoned 100's of years ago as science showed that there were laws governing these occurrences. The backlash from this past injustice is to allow the pendulum to swing the other way and exclude even discussion of there being any entity larger than man. Now, we are back to man made prejudice, hindering the pursuit of truth and ignoring logical conclusions based on narrow-minded thinking.

The creationist may have theories that seem improbable because they are outside of the natural laws. But, because they have the ability to invoke an all powerful God, they are not logically impossible.

The atheists champion theories that are absolutely impossible in order to prove their viewpoint, things like:

- something came from nothing
- proteins were produced by chance and life just miraculously happened
- mutations defied all odds and produced 40,000+ different distinct proteins
- the extreme fine tuning of the universe was just unbelievable luck

They have no mechanism to make any of this possible, if everything came from non-sentient forces, this makes their beliefs truly impossible. At least the improbable claims of a religious belief have a God to make it plausible and not an impossible statement like the atheist claims.

The atheist rejects God because of the improbable, choosing instead to believe in the impossible.

#### **Conclusion on Evolution**

The impossibility of evolution by random mutation is overwhelming. There is no way for this blind process to overcome the extreme rarity of proteins and the precise fit necessary to perform their functions. Observing how the mechanics of life operate at the molecular level, clearly shows the idea of random mutations, blindly creating new distinct proteins, to be inconceivable.

## **Genetics**

Just 7 years after Darwin published his book on evolution a monk named Gregor Mendel, the father of genetics, wrote his papers on the laws of genetics. They were ignored for close to 40 years, because Darwin's theory of "acquired heredity" was considered to be a proven theory by the scientific world.

Darwin thought that inheritance was influenced by the activities of the parents; e.g. if a person trained hard as a runner then their children would inherit more running ability, this was known as acquired traits. After decades of studies and failed experiments trying to prove this theory in vain, the scientific world finally reached the conclusion that it was not true and considered other explanations.

Mendel's work was republished by several different authors at the turn of the century, nearly 20 years after his death in 1880. Subsequent experiments proved Mendel's laws right, after which the scientific world finally embraced them. They still form our basic understanding of heredity and have stood true to this day.

The code of DNA is a complex molecular programming language. It takes amino acids and produces the proteins that determine things like: shape, color, strength, speed, IQ, temperament, emotions, aging, etc...

The intelligence behind coding an organism with the DNA language is beyond comprehension. The hardest programming language I know of, besides machine code, is Assembly Language, but the comparison between that and DNA code is like tic tac toe to three level chess.

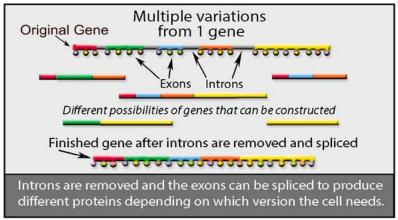
In the words of Bill Gates, "DNA is like a computer program but far, far more advanced than any software ever created."

The DNA language for all of life produces a known 8,000,000+ proteins(with more to be discovered). Human cells have around 25,000 protein coding genes that produce over 100,000 proteins. The different proteins are what make the different attributes in us, from height, IQ, aging, etc... An almost unlimited amount of possibilities that make each one of us unique among the 7 billion people worldwide.

Even emotional characteristics like aggression, fear and shyness are hard programmed in. The nuances involved to program emotions; coding hormones and proteins to interact with the brain cells and chemistry, to produce something seemingly intangible to the physical world is amazing. The amount of intelligence a being would have to possess to code life is beyond our understanding, chance could simply not produce this.

The intelligence required for life would have to solve for the possible 10<sup>40,000</sup>+ combinations of amino acids to determine which would be viable proteins. Then, would have to figure out the combination of protein to protein interactions. The calculations of a basic 5 protein function, assuming 8 million total proteins, would be a number on the order of over 10<sup>34</sup>, and there are millions of such functions in life.

Even a simplistic overview shows the capacity for knowledge and engineering surpassing anything that this universe could produce. The being who programmed the DNA that produced protein based life had to have a limitless intellect.



I mentioned in the evolution chapter about how eukaryotic cells produce, on average, 5 or 6 different proteins per gene. Which protein will be produced is determined by different stimuli on the organism including temperature, stress, light, age, etc..

This makes the programming aspect much more complex when you consider the same code is used to produce different proteins. It is important because it reduces the size of the coding region of the DNA drastically. Otherwise the nucleus of the more complex life forms would be very large and much less efficient compared to the simpler prokaryotic cells.

The entire gene is copied and then the introns, that are between each exon, are removed. The exons are then put in the order that is required for that specific protein.

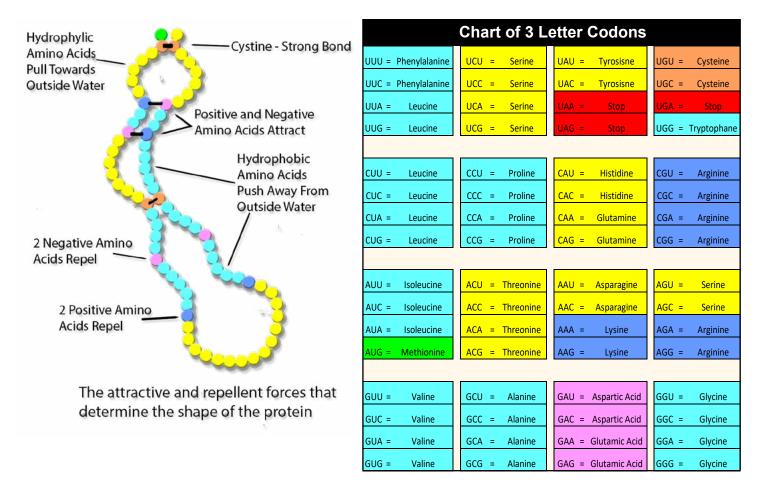
Exons are similar to modules in programming that are called upon when needed to do repetitive tasks. The computer subroutines are used in any order to process variables to come up with a final product, just as the exons are used in order to process amino acids to come up with a final protein product. This is possibly the most obvious case in all of creation for intelligence and the hardest to explain for naturalism. How could this blindly happen and how could the cell communicate to tell which protein it needed?

Consider the Drosophila DSCAM gene with 38,000 possible protein combinations. How the RNA process is able understand the communication from the cell about which gene, and then which variation of that gene is needed. Copy the entire gene and put the exons together correctly out of 38,000 possibilities. This is not only an amazingly complicated code processing machine, but has severe implications to mutations to the DNA, as it affects many of the 38,000 proteins on that gene.

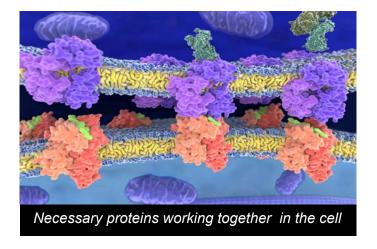
Explaining this by materialistic means is not even possible. Antony Flew, one of the leading atheists, became a believer in God because of DNA, his explanation was,

"I now believe there is a God...I now think it [the evidence] does point to a creative Intelligence almost entirely because of the DNA investigations. What I think the DNA material has done is that it has shown, by the almost unbelievable complexity of the arrangements which are needed to produce life, that intelligence must have been involved in getting these extraordinarily diverse elements to work together."

#### The DNA 4 letter programming language that codes for life. DNA Bases A Adenine Thymine Guanine Cytosine The 4 different bases are used to code for amino acids. Each group of 3 bases stand The DNA is unzipped and the RNA copies for 1 amino acid, allowing for the DNA to the information, then it is zipped back up. create a 3 dimensional workingmachine. GICACAIGA The 4 mRNA BASES A ADENINE G GUANINE 3 Letter Codons The mRNA Bases are the same as the DNA except Uracil is substituted for Thymine U URACIL C CYTOSINE A codon consists of three bases of mRNA that specify a particular amino acid. Introns UUCAGAGGUGAAAUGCUAU CCAC tRNA Carrying Anti-Codons Possible Variations Amino Acids mRNA after introns are removed and spliced Introns are removed and the exons can be spliced in Amino Acids different sequences, to produce different proteins, depending on which version the cell needs. The proteins are built using amino acids determined by the codons.



This programming language that codes for proteins is the most complex system in the universe. It is highly organized, definitive proof of the intelligence behind life. Even with all of our knowledge and study of this system, the best we can hope to do is copy the DNA already present and use it to alter life that is already designed. It is simply above our physical limitations to explore the vast possibilities required to understand the protein to protein interactions like the original creator.

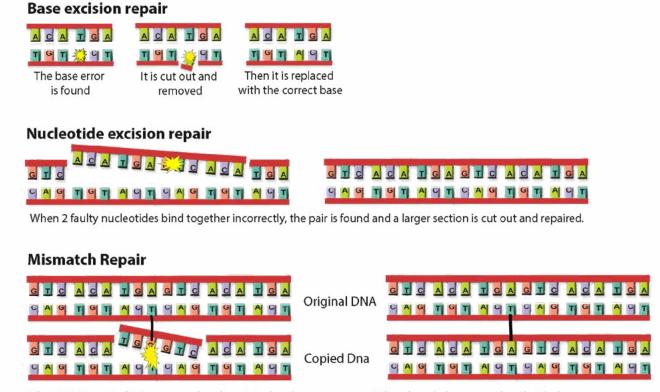


The exact proteins needed are produced in just the right amount, too much or too little will result in cell death. Communication between the cell functions and the nucleus specify which variant of the protein is needed, using the exons in the correct combination for manufacturing what is necessary depending on the different circumstances encountered by the cell. Then the cell knows where to transport the protein to put it to use.

The obvious design behind this whole process is overwhelming, the proof of God is in DNA and proteins.

#### **DNA Repair**

The discovery of the cell's ability to repair DNA adds greater complexity to genetics. A <u>2015 Nobel Prize</u> was given to Paul Modrich, Tomas Lindahl and Aziz Sancar for their work on this. The three different types of repair they identified are base excision repair, nucleotide excision repair and mismatch repair. Each of these systems are extremely complex and absolutely necessary for the propagation of life.



When DNA is copied it is compared to the original to detect any errors. When found, they are replaced with the proper ones. This process fixes 999 out of 1000 errors, without it life would be impossible.

DNA is far too fragile and prone to mistakes, you wouldn't even have made it to a fetus without these repairs going on in your cells. These repair mechanisms are monitoring genes, continually proof-reading and repairing damaged ones. The systems are programmed to find which genes are broken, remove them, then replace them with the right genes

They also fix DNA that is copied during cell division, reducing errors by 1000 fold. The fact that you would have 1000 times more mutations each time your cells reproduced, without the mismatch repair, shows the necessity of this process.

To imagine this complex repair system as an unguided addition to the cell is unimaginable. Remember that this is essential to maintaining the integrity of the DNA, so it would have to be around from the earliest cell. Genetics tells us several things about the engineer responsible for DNA and life.

- **#1 This being exists outside of our universe.** The fact that there is nothing in this universe that can solve for all the possible combinations of amino acids and protein to protein interactions makes this branch of science agree with the others; the capacity for knowledge and engineering surpasses anything that this universe could produce. The being who made this system and programmed the DNA that produced life, has an intellect that could not be duplicated if all 10<sup>80</sup> universal atoms were brain cells.
- **#2 There is a purpose to the creation of life.** The programming of millions of species and the complex symbiotic relationships that they have, shows the effort and purpose put into the creation of life.
- **#3 Humans are the ultimate reason for creation.** Reasoning, creativity, and morality are hard coded into us, setting us apart from the animal kingdom. We are the only species capable of such understanding, even to the level of altering ourselves through our DNA code.

# **Paleontology**

The evidence of what happened in the past is contained in the fossil record, by studying these clues we can clarify the history of life. First, let's define transitional fossils, as this is the biggest point of confusion in this subject area.

#### **Transitional fossils**

The crux of the argument between creationists and evolutionists is the definition of transitional fossil. When each side defines this term, they do so in different ways.

The evolutionist says that a transitional fossil is anything with common traits between an older group of organisms and a younger group. If it has features of a dog and features of a horse then it is a transitional fossil between them. There are many examples of these. Many evolutionists claim that every fossil is a transitional fossil, because every organism evolved into something else.

The creationist defines transitional fossils as a chain of fossils that show a fine gradation from one kind to the next. A slow gradual change, as the evolutionary theory states. Not just having some similar features, but actual descendants that share all of the features of the ancestor, except for the unique trait. There is not a single one of these progressive sets of transitions between two different kinds.

So, both sides are right, because they are arguing 2 different definitions of transitional fossils.

The evolutionists claim that the fossil record is incomplete, therefore we may never have a complete set of transitional fossils.

The creationists claim that out of the approximately 8.7 million species currently on earth with and the estimated 100+ million that have existed, there should be at least one example of a finely gradated transition between kinds.

#### The Fossil Record

Let's look at three main facts that the fossil record shows:

- 1. Cells appear on earth almost immediately after the earth cools.
- 2. Cambrian explosion occurs, producing most of the phyla(main groups of animals) in a short time frame.
- 3. New species appear, staying the same for a long period of time(stasis), then disappearing with no evolutionary change. This is best defined by the punctuated equilibrium theory.

All three of these facts are a problem to the evolutionary model.

#1 - The abiogenesis model would predict a prolonged period of prebiotic self replicating RNA molecules before we get to the complexity of the cell. With a lot of chemical signatures in the rocks because of the massive amounts of amino acids it would require to pull off this miracle. Then, after the cell is produced, evolution would predict life changing radically from it's original form, because the complex repair mechanisms that lower mutations by 1,000 fold would have taken time to evolve.

But, just the opposite occurs in the record. There are no precursors to life in the fossil record, and the single cell animals stay the same for prolonged periods of time. Some of the earliest life single cell life is still around today, meaning that it had to have the repair mechanisms from the beginning in order to maintain it's integrity.

#2 - Evolution would predict a gradual transition from single cell to multicellular animals. Instead, we see complex animals bursting on the scene with fully formed eyes, brains, skeletons, shells, etc... Even speeding up the supposed evolution rate 1000's of times can't help this dilemma.

Darwin saw the Cambrian explosion as a real challenge to his theory. He hoped that fossils would be found of simpler lifeforms that graduated into these complex forms. He states, "If numerous species, belonging to the same genera or families, have really started into life all at once, the fact would be fatal to the theory of descent with slow modification through natural selection." The fossil record shows many more complex animals in the Cambrian layer than what was known in Darwin's time, while the previous layers are still void of predecessors.

#3 - Evolution predicts that we would see gradual transitions. Out of the estimated 100+ million species that have existed we should have many instances of clearly, indisputably seeing the record of this happening. But, instead we see different kinds of animals abruptly coming into existence, staying the same for a long period of time and then disappearing. Many times these kinds begin far removed from any intermediary. With the overwhelming amount of specimens and data collected around the world, to not have a single indisputable transition from one kind to another is proof that the evolutionary theory is false.

Again, I will quote the messiah of the naturalists, Darwin, in The Origin of Species, "Why then is not every geological formation and every stratum full of such intermediate links? Geology assuredly does not reveal any such finely graduated organic chain; and this, perhaps, is the most obvious and gravest objection which can be urged against my theory. The explanation lies, as I believe, in the extreme imperfection of the geological record." Notice that Darwin uses the creationists definition of transitional fossil, "finely graduated organic chain". In another chapter he uses "insensibly fine gradations" to describe transitions that should be presently living.

The problem with this statement is that floods, landslides, silt coverage, all of which create fossils, are all too common in the long time span that evolution claims to occur. Also, we have collected an exhaustive amount of fossils. At least some of the genus to genus transitions should have been preserved in detail. The lack of a single "finely graduated organic chain" is proof that this theory never happened.

The prediction that evolution does get correct, for the most part, is the appearance of lesser organisms that become more complex over time. There is a sequence of build up from algae into the modern flora and fauna, although there are large gaps even in that. Many evolutionists believe that it is a proven scientific fact because of this, ignoring all of the other evidence making it impossible.

This slow buildup sequence could just as easily be the way that the different kinds of plants and animals were created, and how the current complex ecosystem that we have was gradually brought into place. When you look at the sequence of events in the fossil record, it lines up with the way you would terraform a barren planet to get it ready for human habitation.

First we have single cell organisms terraforming the ancient barren landscape from water, basic chemicals and minerals into oxygen and organic materials.

Next, at the right timing, we have more complex life bursting on the scene(Cambrian explosion) when oxygen levels are adequate, the ozone layer is in place and sufficient organic materials have built up.

Then, we have increasingly more complex plants and animals creating an environment on ocean, land and air that build up to the sophisticated chain of symbiotic relationships that are so critical for our lives today.

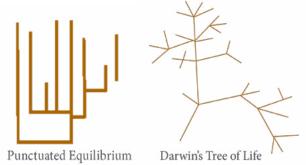
Without going through the proper terraforming steps that have created our terrestrial environment, our current ecosystem that sustains us would have collapsed. The fossil history makes perfect sense when viewed as an engineered building project.

#### **Punctuated Equilibrium**

The punctuated equilibrium theory comes closest to acknowledging the actual fossil record on the

evolutionary side. It states that most of the change is abrupt, with long periods of no change(stasis), and then abrupt change or extinction.

It was proposed by paleontologists Niles Eldridge and Stephen Elliot Gould, but it was not well received by other evolutionists because it runs contrary to their ideology of slow and gradual change. In reality, it destroys the foundation of Darwin's theory, in his own words, "Natural selection acts only by taking advantage of slight successive variations; she can never take a great and sudden leap, but must advance by short and sure, though slow steps."



It was also unpopular because creationists were using these famous paleontologists as expert witnesses to shed light on the true fossil record. The acknowledgment that the finely gradated transitional forms were not present in the record, was reaffirming what creationists had already been observing. The protest against punctuated equilibrium wasn't concerning it's factuality, it was about weakening the evolutionary argument, because it actually does reflect the true record.

The only way the fossil record proves evolution is if you make the assumption that evolution is true and then you look at every life form as a transitional fossil. This is circular reasoning, but I hear this argument many times by evolutionists. This logic is no different than a person believing that a religious book is true because that book tells them it is true.

If you consider the fossil evidence objectively, paleontology is another serious problem for naturalism.

# **Physics**

We take for granted the laws that allow our universe to exist in it's present form. From quarks to atoms to molecules to the complex interactions that produce us and everything around us.

There is no reason why they exist as they do, there is an infinite number of possibilities that they could be set to. But, it just so happens that they are set to precisely the specifications that are needed for us to exist.

The laws that allow all of this to happen are so precise that it is impossible to attribute this to chance. Roger Penrose, a famous Oxford mathematician, gives this chance as 1 in 10<sup>10</sup> or written out:

This number is so large that it could not even be written out if you used all of the electrons and protons in the universe as zeros. There is no possibility of blind chance being the author of these laws. Taking energy and organizing it into matter with the laws of physics is a deliberate act by a being with almost unlimited intellect. Here are some of the fine tuned constants necessary for our existence.

Some atheists have gone so far, to try and explain this fine tuning without God, that they claim aliens outside of this universe created it. They fail to consider that the intelligence necessary to create the laws, and the power required to create the energy would put their "aliens" dangerously close to godlike stature. Also, you now have to explain where these aliens came from and why they created all of this, without leaving even a clue as to who they were.

The old idea that the universe would contract and expand for eternity, giving an eternity of chances, is not an option. The expansion of the universe has been found to be increasing exponentially. This means that it will dissipate as it expands, dying from "Heat Death" as the energy winds down.

So, we see a beginning and an end to our universe. Like a top that was spun, the universe started with an influx of energy and like a top that eventually winds down as that energy is depleted, so will our universe. Reinforcing the fact that the energy was created at the initial Big Bang and not preexisting.

The multi-verse theory is the main naturalistic explanation for how we can have such precision without any kind of intelligence. Basically, it says that there is a mechanism that creates an infinite amount of universes with different laws and amounts of energy, we just happen to be in the lucky one that has everything right. Also called the "Goldilocks" principle because, like the fairy tale, everything has to be just right.

It also assumes that with infinite possibilities everything has been done that can be done. This is supposed to allow us to throw out logic and reason and ignore the gigantic odds against the fine tuned universe.

Since we are applying this to science let us also apply it to something else that relies on logic, reason and knowledge; detective work. Basically, with this revocation of logical thinking I can arrest anyone on earth for the murder of anyone else.

We can charge anyone we want with any crime. It might seem impossible for them to have committed the crime, but we can explain to the judge and jury that this highly improbable act is possible because of the infinite universes and the infinite possibilities. Our universe just happens to be the one where this happened. The odds might be overwhelming against it, but, we have an infinite amount of chances to play with.

With this logic we can also arrest everyone today for the murder of Abraham Lincoln. Because with these infinite possibilities we have all been transported back in time and have killed him, no matter how much probability there is against it or how impossible it may seem. Apparently, we can make the impossible possible by adding infinite tries.

Detective work requires logic, reason and knowledge, the same as science. To throw logic away to back a theory, means that the theory needs serious reconsideration.

If there were an infinite amount of universes with every subset of laws imaginable then we would have universes with an infinite amount of energy traveling at almost infinite speed. These would destroy all of the other universes. Imagine deadly, universe size gamma-ray bursts, coming from the infinite number of such universes that would hypothetically exist as part of this theory.

Considering that this random creation would have been going on for eternity past, we would have proof of these alternate universes in the form of strange matter with different laws from ancient systems invading our universe. We would have light that travels at different speeds with different properties coming at us from every angle from the infinite amount of universes surrounding us.

So, according to atheists we can have an unexplainable, omnipotent mechanism that creates infinite universes out of nothing for eternity, it just can't think!

Conditions	Plus	Minus	
Strong nuclear force	only hydrogen	no hydrogen	
Weak nuclear force constant	too much heavy elements by stars but no expulsion	too little heavy elements from stars with no expulsion	
Gravitational force constant	stars would be too hot and would burn up	stars too cool for nuclear fusion, thus no	
	quickly and unevenly	heavy element production	
Electromagnetic force constant	elements larger than boron unstable	insufficient chemical bonding	
Ratio of electromagnetic force	no stars less than 1.4 solar masses, short	no stars more than 0.8 solar masses, no	
constant to gravitational force	and uneven burning	heavy elements	
ratio of electron to proton mass	insufficient chemical bonding	insufficient chemical bonding	
ratio of number of protons to number	electromagnetism dominates gravity, no	electromagnetism dominates gravity, no	
of electrons	galaxy, star, and planet formation	galaxy, star, and planet formation	
velocity of light	stars would be too luminous	stars would not be luminous enough	
decay rate of the proton	life would be exterminated by the release of radiation	insufficient matter in the universe for life	
decay rate of 8Be	heavy element fusion generates catastrophic explosions in stars	no element beyond beryllium, no life chemistry possible	
mass excess of the neutron over the	neutron decay leaves too few neutrons to	proton decay causes stars to collapse into	
proton	form the heavy elements	neutron stars or black holes	
initial excess of nucleons over anti- nucleons	too much radiation for planets to form	not enough matter for galaxies or stars to form	
polarity of the water molecule	heat of fusion and vaporization would be too great for life to exist	water too inferior of solvent for life; ice would not float, runaway freeze-up	
mass of the neutrino	galaxy clusters and galaxies will be too dense	galaxy clusters, galaxies, and stars will not form	
uncertainty magnitude in the Heisenberg uncertainty principle	oxygen transport to body cells too great; life elements unstable	oxygen transport to body cells too small; life elements unstable	
size of the relativistic dilation factor	certain essential life chemistry reactions will not function properly	certain essential life chemistry reactions will not function properly	
number of effective dimensions in the	quantum mechanics, gravity, and relativity		
early universe	could not coexist	could not coexist	
number of effective dimensions in the	electron, planet, and star orbits would	electron, planet, and star orbits would	
present universe	become unstable	become unstable	
From: Big Bang Refined by Fire by Dr. Hugh Ross, 1998 25			

It strikes me that a complex, impossible solution has to be conceived to explain away the simple, obvious explanation. It is evident that our universe was designed, engineered and constructed by an infinitely powerful, intelligent builder. To go to such lengths to deny its existence makes defies logic.

The original atheistic stance of rejecting God, looking only to explanations that are scientifically supported, has been thrown out of the window by those supporting this theory.

#### The multi-verse theory:

- Has no evidence to support it.
- It is "supernatural", because it breaks the law of the conservation of energy by creating unlimited amounts of energy.
- The mechanism that creates the universes has to be uncaused, making it eternal, otherwise it would have the impossible task of being created from nothing.

It is basically a god without consciousness, yet it is embraced by the very ones who cry foul when intelligent design is brought up. A double standard for those who demand empirical evidence and falsifiability for theories to be considered true science.

If infinite universes do exist, it would require the order of an infinite creator to make it possible without chaos and destruction.

The laws of physics, that give order to the universe, also give a glimpse into the character of God. Into the structure, harmony, symmetry and reliability. These laws never fail to perform, they don't yield, as they would if they were an unguided accident. The profoundness of God in the laws of physics is best stated by Albert Einstein:

"I am not an atheist... We are in the position of a little child, entering a huge library whose walls are covered to the ceiling with books in many different tongues. The child knows that someone must have written those books. It does not know who or how. It does not understand the languages in which they are written. The child notes a definite plan in the arrangement of the books, a mysterious order, which it does not comprehend, but only dimly suspects. That, it seems to me, is the attitude of the human mind, even the greatest and most cultured, toward God. We see a universe marvelously arranged, obeying certain laws, but we understand the laws only dimly. Our limited minds cannot grasp the mysterious force that sways the constellations."

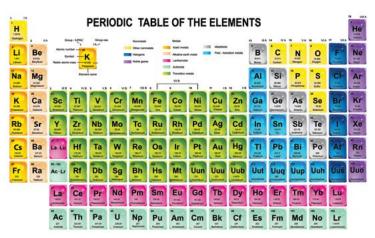
interview published in George Sylvester Viereck's book Glimpses of the Great New York. Macaulay Co. [©1930]

# Chemistry

The universe is fine tuned to give us our current elements. We take these for granted, but the laws of physics that allow them to exist are set on a razors edge. If the parameters were even slightly different then we would have too few elements for the mechanics of life to work, or we would have too many heavy elements that would cause the universe to collapse before life could exist.

Amino acids are made of the elements carbon, hydrogen, nitrogen, and oxygen. These are the only elements that can handle the nuances required to perform the tasks of proteins. Bonds that are not too weak or strong, they can hold on when needed and then release at the right time.

Carbon being the most important of all, because it can hold on in long chains and yet the bonds are not too strong to be deconstructed and rearranged again. It is the quintessential element needed for life, no other element has the properties to do the work required in living organisms. Many of the other elements are essential for life, especially a good portion of the metals.



of the other elements are essential for life, The laws allow the largest amount of elements that can occur before the universe would collapse. Any less and life could not function.

Anyone claiming that life could exist without carbon clearly has not studied biology on the molecular level. The cell is able to replicate, repair and perform it's functions because of carbon's ability to form long bonds and many different types of molecules.

The importance of carbon and it's interaction with the other elements highlights the necessity for the periodic table to contain the elements that it does and the conditions that make them possible. The reason we have these elements is because of parameters like:

Conditions	Plus	Minus
strong nuclear force constant	no hydrogen would form	only hydrogen would form
weak nuclear force constant	too many heavy elements: no life	not enough heavy elements: no life
gravitational force constant	stars too hot and burn unevenly for life chemistry	stars too cool to ignite nuclear fusion; many elements for life chemistry never
electromagnetic force constant	elements larger than boron unstable	chemical bonding would be too weak
ratio of electron to proton mass	chemical bonding insufficient for life	same: chemical bonding insufficient for life
decay rate of protons	life exterminated by radiation	insufficient matter for life
ratio of neutron mass to proton mass	too few neutrons for many life elements	neutrons collapse all stars into black holes
polarity of the water molecule	heat of vaporization too high for life	heat of vaporization too low for life; ice would not float, runaway freeze-up

The <u>strong nuclear force</u> dictates the fusion of hydrogen in the sun, converting .007 of the mass into energy. At .006 we would have only hydrogen in the universe, at .008 then we would have no hydrogen left in the stars.

The ratio of electromagnetic force to gravity has to be fine tuned to 1 part in 10<sup>40</sup>.

The <u>electron to proton mass</u> maximum deviation is 1 in 10<sup>37</sup>.

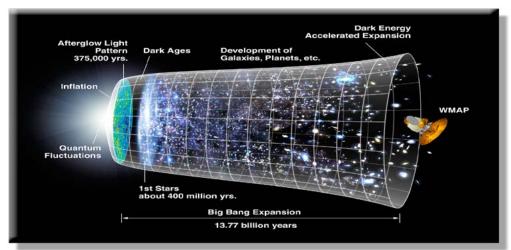
There are more factors determining the amount of elements in chemistry, if any were changed, life would be impossible. Chemistry clearly provides another witness to the case of a creator.

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# **Astronomy**

As the extreme fine tuning of the laws of physics allows for the stars, galaxies and the universe to exist, there is further fine tuning involved in the rules and conditions of the interactions of these bodies.

Consider the Big Bang, most people don't realize that the theory states that the universe immediately expanded close to the size it is now, 93 billion light years diameter, in a fraction(10<sup>-32</sup>) of a second.



Credit: NASA / WMAP Science Team

So, all of the matter that now exists, making up the billions of galaxies and sextillions of stars, was flung billions of light years faster than you can blink! In just the right place, with just the right density, and just the right laws, and it just happened by accident?

Conditions	Odds
Expansion Rate of Universe	1 in 10 <sup>55</sup>
Mass Density of Universe	1 in 10 <sup>59</sup>
Cosmological Constant	1 in 10 <sup>120</sup>

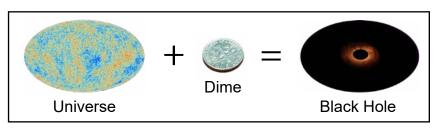
It should be called the Big God Theory; to think that there is any chance of that happening by naturalistic

methods is insane. Energy traveling over 45 billion light years in all directions almost instantly; there is no explanation given by atheists except, "the natural laws did not exist at this time".

But, there were laws governing this pre-guark energy/particles, we know this because:

- it stops at exactly the right distance after traveling billions of light years, any sooner and it contracts.
- the mass was so exact(1 in 10<sup>59</sup>), add the mass of a dime and it would have contracted.
- the placement of matter and imperfections is precise to 1 in 100,000 chance.

To illustrate just how precise these numbers are, the mass density of the universe at 1 in 10<sup>59</sup> means that if the volume of just 1 dime was added to the universe then it would have contracted back to a black hole.





By looking at this as an ordered and intentional event instead of a random accident, it gives us a glimpse beyond quantum mechanics into the laws that govern the energy and particles that makeup quarks. Where speeds of 45 billion light years in 10<sup>-32</sup> of a second, 10<sup>50</sup> faster than the speed of light, are possible. Where subcomponents of quarks can travel across the universe in 10<sup>-16</sup> of a second, shedding light on how gravity can affect the farthest stars. How, entangled quantum particles, separated by long distances, can be simultaneously affected instantly, or as Einstein put it, "spooky action at a distance".

A priest and astrophysicist, George Lemaitre, came up with the Big Bang theory in 1927, which challenged the atheistic belief of the eternal steady universe. It was rejected by the leading scientists of the time, but, was finally accepted after Edwin Hubble discovered redshift in 1929, which proved the universe was expanding.

The facts about how the universe began was problematic to naturalistic thinking then, and it is just as much now. Atheists downplay certain aspects of the Big Bang, like inflation. They have even tried to use it to prove there is no need of a God to explain the birth of the universe, but that is definitely not the case. The Big Bang is not even remotely possible by chance. It is an exacting, engineered event of a scale that should single-handedly prove that a powerful intelligence is behind it all. Like the other fields of science we have covered, astronomy shows that the fine tuning behind our universe, galax ies and solar system is unmistakable.

A few of the variables in the universe necessary for life to exist.

Conditions	If Larger	If Smaller
expansion rate of the universe	no galaxies	universe collapses
big bang ripples	universe collapses too quickly	galaxies will not form; universe expands too rapidly
entropy level of the universe	no star condensation	no proto-galaxy formation
mass density of the universe	stars burn too rapidly	too few heavy elements
ratio of exotic matter to ordinary matter	universe would collapse	galaxies would not form
average distance between galaxies	insufficient gas for galaxy star formation	sun's orbit would be too radically disturbed
galaxy cluster type	galaxy collisions would disrupt solar orbit	insufficient gas for star formation
average distance between stars	no rocky planets	planetary orbits would become destabilized
supernovae eruptions	too close, too frequent or too late: radiation exterminates life	too far, too infrequent, too soon: no formation of rocky planets
white dwarf binaries	too many: life on earth exterminated	too few: insufficient flourine for life
un	too soon: lack heavy elements for flourine production	too late: flourine not in protoplanet

From: Big Bang Refined by Fire by Dr. Hugh Ross, 1998

#### **Earth**

In 1966 Carl Sagan was interviewed by Walter Cronkite about UFO's. As a consultant to an Air Force panel and one of the leading authorities about extraterrestrial matters of the time, he held opinions common for atheists of his time.

When asked about the possibility of life on other planets he states, "many of the stars in the sky have planetary systems, we know enough now about the origin of life to make it appear likely that life arises naturally on the vast bulk of these planets. It's possible, but by no means certain, that life on many of these planets evolves into beings which are as advanced as we, or more advanced."

It was naively thought, at that time, that you only had to have 2 things for a planet to have life; the type of star, and the planet had to be the right distance from the star. Since there were so many stars it was theorized that there must be "billions and billions" of planets with life on them.

We now know that there are a lot of factors required for life. Astrophysicist Hugh Ross has listed at least 200 specific requirements needed for life. This has lowered the possibilities so much that even with the sextillion planets in the universe, it is doubtful that even one would be suitable for life except for our own. The universe is a hostile place to life. Without the protections that earth offers us, there is no chance for anything higher than bacteria to survive for any length of time.

Unfortunately, a lot of people are still ignorant of the conditions required for our existent. The viewpoint is still shared that, "if it has water then it will probably have life", concerning planets and moons. These type of statements show how little understanding many have of the miracle of our existence, in both biology and astronomy.

If there is life on other planets, it would undoubtedly have to be put there in the same way it was put here on earth, by a super-intelligent being.

Conditions	Plus	Minus
distance from parent star	planet would be too cool	planet would be too warm
axial tilt	temperature differences would be too great	temperature differences would be too great
surface gravity (escape velocity)	atmosphere retain too much ammonia and methane	atmosphere would lose too much water
rotation period	day temperature differences would be too great	atmospheric wind velocities would be too great
planet age	planet would rotate too slowly	planet would rotate too rapidly
magnetic field	lightning too severe; inhibit adequate cloud formation	ozone shield inadequately protected
thickness of crust	crust aborbs too much oxygen	volcanic and tectonic activity would be too great
albedo (ratio of reflected light to total amount falling on surface)	runaway glaciation would develop	runaway greenhouse effect would develop
asteroidal and cometary collision rate	too many species would become extinct	crust would be too depleted of materials essential for life
mass of body colliding with primordial Earth	Earth's orbit and form would be too greatly disturbed	Earth's atmosphere would be too thick; moon would be too small
timing of body colliding with primordial Earth	sun would be too luminous at epoch for advanced life	Earth's atmosphere would be too thick; moon would be too small
oxygen to nitrogen ratio in atmosphere	advanced life functions would proceed too quickly	advanced life functions would proceed too slowly
carbon dioxide level in atmosphere	runaway greenhouse effect would develop	plants would be unable to maintain efficient photosynthesis

Conditions	Plus	Minus
water vapor level in atmosphere	runaway greenhouse effect would develop	rainfall would be too meager for advanced life on the land
atmospheric electric discharge rate	too much fire destruction would occur	too little nitrogen would be fixed in the atmosphere
ozone level in atmosphere	surface temperatures would be too low	too much uv radiation at the surface
oxygen quantity in atmosphere	plants and hydrocarbons would burn up too easily	advanced animals would have too little to breathe
nitrogen quantity in atmosphere	too much buffering of oxygen for advanced animal respiration	too little buffering of oxygen for advanced animal respiration
seismic activity	too many life-forms would be destroyed	nutrients on ocean floors not recycled; insufficient CO2
volcanic activity	advanced life would be destroyed	lack of CO2 and water vapor; soil loses minerals
oceans-to-continents ratio	diversity and complexity of life-forms would be limited	diversity and complexity of life-forms would be limited
global distribution of continents	if too much in the southern hemisphere: seasonal differences would be too severe for advanced life	
frequency and extent of ice ages	planet inevitably experiences runaway freezing	insufficient valleys and minerals for diverse life forms
soil mineralization	diversity and complexity of life-forms would be limited	diversity and complexity of life-forms would be limited
gravitational interaction with a moon	tidal effects too severe	nutrient recycling lacking; magnetic field too weak

From: Big Bang Refined by Fire by Dr. Hugh Ross, 1998

# **Mathematics**



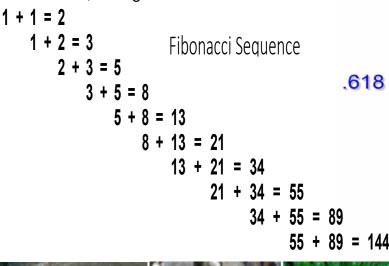
Mathematics is the heart of the material world, it is what defines all of the interactions around us. It is infused into the very essence of the particles that makes up matter. We owe not only our existence to this order, but also the beauty that surrounds us.

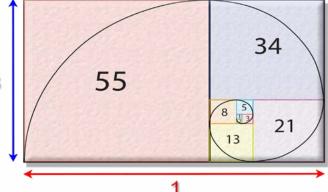
Everything that you can see, from galaxies to quarks, derive their form from these set mathematical functions. This universe is one of law and order, the proof of this is in the mathematical equations defining the laws that we observe in science.

From the first second of the beginning of the universe, math has been driving the laws that establish movement and interaction of matter. We see it clearly in the atom, the size of the electrons, protons and neutrons, the distance apart, the speed traveled, the attractive forces that keep them together. The planets, stars and galaxies have obvious mathematical order behind them. Life is formed with the same mathematical equations as matter for both form and function.

Biology relies upon this math as it creates the forms around us, the very equations are hard coded into the DNA of each organism. The diversity around us is a direct result of this mathematical infusion.

One of the most important discoveries of math was promoted by an Italian by the name of Leonardo Fibonacci. Called the Fibonacci Sequence, it is a sequence of numbers adding the last two numbers to produce a sum, and then repeating the process. This basic calculation is used as pattern throughout the universe, from galaxies to DNA.





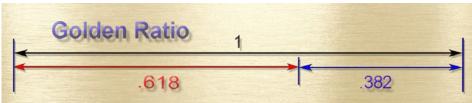
How the Fibonacci sequence creates the Golden Spiral, the Golden Rectangle and the Golden Ratio.



The Fibonacci series produces several important shapes and ratios used in biology. The Golden Spiral, Golden Rectangle, Golden Triangle and the Golden 1.618 ratio all come from the sums.

One of the most important of these is the Golden Ratio, or Phi = 1.618 (or .618 inverse). The proportions in biology are heavily dependent on this figure, from bodies to faces to plants, the 1.618 ratio

dominates the physical form in life.

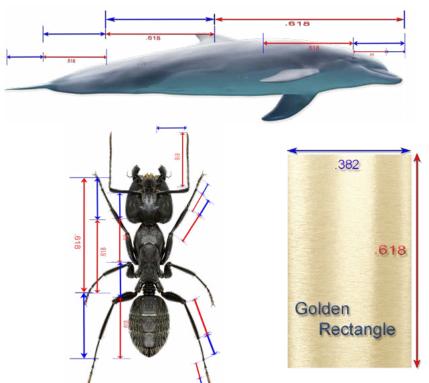


It is a special number because it is exactly one different from it's inverse and square:

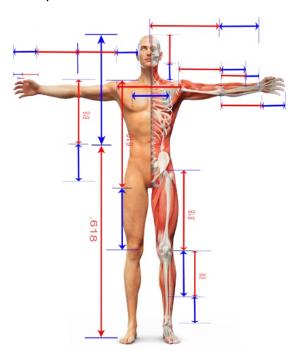
inverse  $1.618^{-1} = .618$ square  $1.618^2 = 2.618$ Also, it is the only number with this relationship to 1: 1 - .618 = .382 $.382 \times 1.618 = .618$ 618 / 1.618 = .382 Notice that the plus/minus and times/divide are interrelated numbers. Out of an infinite possibility of

numbers this fraction is exclusive to these properties. It is no accident that it is used for the basic equation for engineering the universe and life, because it has the perfect properties for reproducing structures. It has even been discovered in the resonant frequencies of quantum particles. These numbers have been embedded into the DNA of all life and into matter at even the guark level.

It is called the fingerprint of God because it is impossible for this to happen by chance. The odds of choosing this number for so many unrelated structures are 1 in infinity.



This ratio is used to construct animals of all sorts from insects to mammals.



The body is defined by the Golden Ratio

"God is a mathematician of a very high order and He used advanced mathematics in constructing the universe." -Nobel Prize winning physicist, Paul A. M. Dirac

One of the most compelling facts about the Golden Ratio is that we collectively recognize people with these ratios as beautiful, and we have been programmed to see these proportions. Studies have been done on infants, before they have been influenced by societies beauty standards, and have consistently shown that they recognize these ratios and favor the faces with the 1.618 proportions. A large portion of sexual attraction is based on these principles.



This means that the Golden Ratio is hard coded within our DNA to the extent that:

- Our bodies and faces are produced with these proportions
- We recognize these proportions
- There is a chemical response that gives a reproductive advantage to the correctly proportioned

This would make absolutely no sense in an evolutionary model. How would the formula become part of the DNA? And then, how would we be hard coded to recognize the ratios? Then to actually have complicated chemical processes that influence the procreation of humanity, to favor these traits? It is an impossibility for this to happen naturally.

From a design standpoint it makes perfect sense. The original design is based on these proportions, but as we have mutations these get altered. These mutations can alter our body and facial structure, lessening the original 1.618 design. The average amount of mutations is around 100 per generation, but on a bell curve you might have some with 20 and some with 180. Those who get the low end of the bell curve over many generations are going to have fewer mutations compared to those at the high end of the curve, building up errors that make their offspring less viable.

The value of this system is that it recognizes those with less mutations and subtly gives them an advantage to produce more offspring. This would help offset genetic degradation over the generations. But, this only works if 1.618 is part of the original DNA, the ability to recognize the Golden Ratio is present as well as the chemical attraction to potential partners. So, it has to be part of the original design to actually work.

The ability to recognize the 1.618 ratio is so ingrained in our DNA that it is used by builders, designers, artists, photographers, advertisers, etc... to produce things that are aesthetically pleasing.

The Golden Rectangle, a rectangle that has a width to height ratio of 1.618, has been utilized since ancient times by the Greeks in building and art. It has continued to be used throughout history, especially the renaissance, by many different cultures.



The Fibonacci set of numbers is a simple yet eloquent way to define



the universe and supply beauty with such richness. The fact that this beauty exists in our world and that we have the ability to identify and admire it points to a creator's design. There is absolutely no reason, from a survival standpoint, for beauty to exist, or for us to have the ability to appreciate it.



The universe and life did not have to contain this rich beauty that we see, it has very little practical purpose. Most animals are color blind, so they can not even see it, and none have the capacity to appreciate it. Only humans can appreciate the beauty around us. From the far reaches of space to the depths of the oceans, all of this was created for our enjoyment.

#### **Fractal Equations**

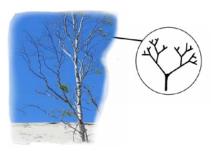
Fractal equations, or self-replicating equations, make up the structure of a large part of our universe. These formulas are able to define what was once thought to be disorder. Things such as clouds, shorelines, mountains, lightning, river flow, blood vessels, trees, spots on a leopard and many other things; owe their structure to simple formulas.



 $Z = Z^2 + C$  is one such equation attributed to Benoit Mandelbrot, who was one of the first to prove this mathematical discipline by using computer programs to run these in a loop to create the patterns that these formulas supply. Mandelbrot first called them fractal equations, but they are also referred to as "self-similar" because they replicate themselves.



The fern is created with a selfreplicating equation. Each leaf is the same as the plant.



To build a tree, self-replicating is used. In this example the trunk splits in two, each of these split in two, each of those split, and so on... until we get the basic shape of a tree.



The mountains and clouds in this scene were created by a computer using fractal equations. The forces that create these in the real world are guided by the same formulas.

# 

## **Chaos Theory**

The previous items are all created with fractal formulas, which means that each type will be similar, but no two will be alike. A snowflake is a perfect example of this. The reason that each occurrence of a snowflake or spots on a leopard are different, is that there is a different starting value for the formula, and it is affected by the force of other elements in the environment, which are driven by their own equations.

What we get is equations impacting other equations, each with different starting values, producing the things that appear to be random; the crux of the Chaos Theory. A brilliant way to produce objects of beauty and the things that make life interesting, it would be a dull world otherwise.

It is named Chaos because of the fact that we will never perfectly solve these calculations; we simply do not have the knowledge of all the variables. So, when we look at a storm and the seeming turmoil and disorder, it is actually multiple elements being driven by formulas that act upon each other. At the heart of all of the activity, it is ordered and can be predicted in a larger sense, in that it stays within certain parameters like;



height of clouds, wind speed, lightning frequency, area covered, etc...

The details of a storm are unpredictable to us because we do not possess the knowledge of all the forces that are interacting. If we had all of this knowledge and the ability to process it, we could predict every raindrop, wind gust and lightning strike that would happen; but that would require an almost unlimited consciousness.

There is absolutely no explanation of how you can have the same exact formulas and ratios being used throughout physics, astronomy, genetics and all through biology, in such unrelated ways. The golden ratio was even found to exist between the frequencies of magnetic resonance in atoms. The only plausible answer is that the same creator designed the universe and life, using the simplicity of these formulas to create a complex system. I find this especially fascinating because you are essentially looking into the mind of God. These formulas are his choice for the blueprint of creation, his signature, showing the order that underlies even the things that seem chaotic.

I think Benoit Mandelbrot said it best when he spoke on the subject in "Fractals: the Colors of Infinity" a documentary by Arthur C. Clarke.

"This is how God created a system that gave us free will. It's the most brilliant maneuver in the universe, to create something in which everything is free! How could you do that?! ... exploring this set I certainly never had the feeling of invention. I had never the feeling that my imagination was rich enough to invent all the extraordinary things. I was discovering them; they were there although no one had ever seen them before. It's marvelous! A very simple formula describes all of these very complicated things. Who could have dreamed that such an incredibly simple equation could have generated images of literally infinite complexity? We've all read stories of maps that revealed the location of some hidden treasure. In this case the map is the treasure!"

# **Psychology**

#### **Moral Nature**

There is a universal moral code that exists in the majority of people on this earth.

Psychologists Marc Hauser of Harvard University and Ilkka Pyysiäinen of the University of Helsinki tested a wide variety of people different in race, religion, society and education. In Edge.org Marc Hauser states, "Based on the responses of thousands of participants to more than 100 dilemmas, we find no difference between men and women, young and old, theistic believers and non-believers, liberals and conservatives. When it comes to judging unfamiliar moral scenarios, your cultural background is virtually irrelevant."

With over 100 moral tests they found no difference in response between all of these varied people groups. The argument that morality is in our DNA is valid, because if morals were learned or influenced by environment then there should have been a wider range of results. The significance of these findings allow us to see the common design that we, as mankind, share in the area of morality. The one who created us, programmed a subtle inward conscience that guides us to act in a fair and kind manner towards each other. Unless, we give in to the selfish aspect of our nature or have been indoctrinated to go contrary to that inner voice.

## Overwhelming belief in God

Worldwide the percentage of people who believe in a god/gods is around 90%. Again, this is a universal phenomenon among mankind. All ancient people groups that we know of had some version of god or gods.

If humans came about by an unguided process, then there really is no explanation for this. How would evolution code this belief in a higher power and not leave a trace in the rest of the animal kingdom. The most logical explanation is that it is part of our intuitive makeup, put there for a reason. If it was not part of our basic nature, then it would not be so prevalent in all ancient and 90% of modern societies.

Only man has the inward drive to believe in a higher power, again pointing to humans as the ultimate reason for creation. We get conscience and conviction, one directed at how we treat our fellow man and one directed at our relationship with God, 2 basic commands.

This makes perfect sense, if we were designed for a purpose, and the creator put this inclination towards belief in God within us.

#### Consciousness

Scientists do not understand what makes us conscious, the thing that gives us will and allows us to choose and change, independent of stimuli. It is separate from our brain, science refers to it as the mind, others might consider it the soul. It controls our brain, using it like a computer to control mental and physical actions.

Without it our thoughts and actions would simply be a predetermined mathematical formula, but with it, we can change our course, and alter our actions in a way that changes the predetermined physical movement around us. Unlike animals, who are simply programmable organic machines who do not ponder problems, meditate, create art and music, or other higher function thought processes.

A compelling case for the existence of a consciousness that is separate from the physical brain is made by by Mario Beauregard and Denyse O'Leary in "The Spiritual Brain". In it they use the example of obsessive compulsive disorder(OCD). In OCD, the neurons of the brain, that signal when there is a problem, misfire at the wrong times. This leads to obsessive actions, but the person is aware that this irrational behavior will not actually fix anything. The mind is healthy enough to know something is wrong, even though the brain is malfunctioning.

Naturalistic logic would tell us the only way to fix the problem is to fix the bad neurons. But, the successful treatment consists of recognizing and starving the urges to do the rituals, with the will. Brain scans have shown that it actually fixes the neurons, the brain is effectively changed with the force of the mind. Similar therapies are also used with depression and phobias.

The consciousness has further evidence in the form of life after death experiences. The world's largest research project by Dr. Jeffrey Long included a scientific study on over 4,000 separate people with NDE's. The evidence for the mind staying conscious after the brain had ceased functioning was:

- 1. Crystal-Clear consciousness
- 2. Realistic out-of-body experiences
- 3. Heightened senses
- 4. Consciousness during anesthesia
- 5. Perfect playback
- 6. Family reunions
- 7. Children's experience
- 8. Worldwide consistency
- 9. Aftereffects

Several of his subjects, who were blind since birth described, "with stunning vision, very detailed vision", their experiences. This is not scientifically possible, as people blind from birth have no concept of the visual, they would have no memories or preconceptions to draw from. Their experiences had to have been real, because their minds had no previous information to make up the images they saw.

Equally compelling, is the data of the children under 5. With an average age of 3 1/2, when they have no understanding of death or any preconceived notions, the children experienced the exact same elements of the NDE's as the adults.

The most convincing piece of evidence in his study was that nearly everyone who experienced these, including atheist and nonreligious people, were dogmatic that they were real. They insisted they were not dreamlike in any way, and furthermore they all affirmed that there is a God. In other words there are no atheists after death.

Neurosurgeon, Dr. Eben Alexander, was an atheist until he had an NDE from an attack of E. coli meningitis. He came back with a unique perspective, because of his understanding of the mechanics of sensory input and the limitations of the physical brain.

Describing his own experience as real and 100% convinced that there is a God, he said that,

"I realized that the real lesson here was that consciousness is completely independent of the brain. In fact, we are conscious in spite of our brain, and consciousness, soul, spirit is what runs all of this show."

This is coming from a person who had held a materialistic world view for decades before his NDE, and had studied the brain with the understanding there was nothing beyond the physical world. From a thoroughly convinced atheist, to a believer in God, that openly shares his experience. With expert testimony such as this from an articulate, highly educated person with extreme knowledge of the brain, this gives much credence to the case for the consciousness being separate from the physical intellect.

Other atheists have died and come back to life, strongly reaffirming that their life after death experience was real and not just a dream or imagination. Some notable ones that speak about it on You Tube are Randy Hicks, Brian Melvin, Ronald Reagan, Professor Howard Storm, Ian McCormack. I think the atheist accounts are more compelling because the people do not expect to see an afterlife, so you have a more objective observer. To me, this makes it more believable, as well as the fact that it profoundly changes them, all believe in God after their experiences.

If we do possess a consciousness that is separate from our brain, then that means there is a whole other form of organized energy that is not detectable by our physical senses. This also means that the unseen energy has the ability to think, feel and interact with the energy and matter of our physical world, at the very least through our brains.

Those who have had NDE's claim that the real existence is after this life. If our core being consists of another energy, this would make it the original uncaused energy that has always been here and our physical world the created energy. It would be the real existence and the energy created for our world would be the temporary existence, which would be consistent with the description of those who have had NDE's.

What is referred to as the soul may simply be this uncaused eternal energy, organized by laws of its own to allow us to exist as spiritual beings. It would be logical that it would be highly ordered, since the energy of our universe is so highly organized. The "uncaused energy" vs "created energy" would also make sense of the religious claims of billions of people who claim to experience God and have other spiritual encounters that do not normally happen within our physical laws.

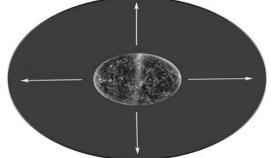
## Where did God come from?

To understand God better we must consider "the expanse", the area outside of our universe. There is only one expanse, it has no boundaries, it goes on indefinitely in every direction. It has no beginning and no end, an eternal past and an eternal future.

We have a binary option with the expanse:

- 0 the expanse has eternally been void
- 1 the expanse has eternally been something

If option 0 (void) had been true at any point in time then it would be that way forever. Nothingness cannot create or be anything other than totally void, it has no mechanism or will to do anything.



We know that option 1 (something) is the only option we have, since the universe exists.

This means that the substance that inhabits part of the expanse must inhabit all of it. There is only one expanse, so, whatever part of the expanse is filled with, all of it is filled with. There would be no lines or boundaries to partition it off, allowing part of it to be of one thing and another part something else. The same homogeneous assumption that was made as an expanse that is void, is also true as an expanse with substance.

For us to exist there are 2 things that we need:

- 1. A mechanism to create energy, because this energy has a beginning and an end.
- 2. Consciousness, because of the engineering of matter and life that we observe.

So, this uncaused energy and consciousness has to be the same age as the expanse, and the same size as the expanse. It also has to be homogeneous, so the energy and consciousness would be consistent throughout infinity. Since there is only one expanse, then there is only one with this consciousness and energy, making it a single entity.

The infinite, eternal nature of the expanse dictates that:

- if there is any energy then it would be omnipotent energy per m<sup>3</sup> x infinity = infinite energy
- if there is any thought then it would be omniscient consciousness per m<sup>3</sup> x infinity = infinite consciousness
- the energy/consciousness would be omnipresent, occupying the same infinite space as the expanse
- the energy/consciousness would be eternal in past and future, the same age as the expanse

That is why God has to exist parallel with the expanse, that energy and consciousness is God. An uncaused being must take up the infinite space of the expanse. The omnipotent, omniscient, omnipresent and eternal nature of God is expressed in the limitless and eternal character of the expanse.

So where did God come from? God did not come into existence, he has always been, the original uncaused being the essence of the expanse. Logically, there is no other way to explain the existence of energy and matter.

The energy and consciousness are the very fabric of the limitless expanse, making a being that we are not able to comprehend in size, age, power or intellect.

It is said that "No one has seen God", which would be a true statement, because you would have to see for infinity to accomplish that task.

When I first realized that this is who God is and tried to understand his unlimited size, I had a sudden moment of awe and fear mixed together. God is not a being that our minds will ever comprehend.

#### Which God?

## **Defining God**

Science defines an all powerful, all knowing, eternal God of the expanse. This gives us something to look for in our search of the over 4200 religions of the world. This definition clearly rules out the majority of gods in the different religions.

Most of the gods of the ancient world, such as Thor, Zeus and Jupiter, had limited abilities barely superior to humans. Not exactly the beings that could have created the energy and laws to make this universe. They would have to be ruled out first, if for no other reason than no one believes in them anymore. If they were all powerful beings surely they would still be a force in the religious world.

The other minor religions of the world would be ruled out for the overall lack of interest. A God that took the time and effort to create the universe would have more purpose than to show himself to a small handful of people.

That takes us to the major religions that do have a significant amount of people.

- 1. Christianity 2.1 billion
- 2. Islam 1.5 billion
- 3. Hinduism 900 million
- 4. Buddhism and Chinese Traditional 770 million

#### Buddhism

We will start with Buddhism and Chinese Traditional (Taoism, Confucianism)

The basic belief of Buddhism resists the idea of a creator god, although some do believe in a god or gods. They also believe in supernatural beings called devas, but they eventually die and the buddhas are considered "teachers of the gods", so these gods have no major power or intelligence.

If the God of the expanse was wanting to establish a relationship with humans, using a religion that taught against his existence would be highly unlikely.

They claim that the earth and life has existed forever. Of course we know that is not true, the universe had a beginning, we can see that clearly now with red shift and the cosmic microwave background.

Basically, Buddhism has a problem worse than atheism because it rejects a designer, giving it the inherent problems of atheism, and then mixes in pseudo spiritual teachings. How you can have naturalism and supernatural in the same belief system is truly logic defying.

Also, the fact that Buddhists could commit the atrocities of World War II, rape, murder, torture, etc.. and still maintain their good standing, is witness to it's ambiguity and lack of value for moral guidance. This goes against the moral compass that was programmed into us.

Excluding this religion from the list of possibilities is fairly easy based on the impossibilities of its basic precepts.

#### Hinduism

Creation varies from:

- the mangled limbs of a sacrificed man turned into the different castes
- An egg that everything comes out of
- A creator god creates a wife and then has offspring with her as she changes into different animals
- A god that changes into a boar that jumps into the cosmic waters and brings the earth out
- Brahma creates while Vishnu preserves and Shiva destroys

The creator Brahma god has a life cycle, it starts with a kalpa(day), which is 4.3 billion years, and an equal time of night. There are 360 days and nights in the year and the life span is 100 such years. So the lifespan is over 311 trillion years and then he dies and another creator god evolves to take his place. There have been endless gods before and there will be endless gods after.

According to the Hindu teachings we are in the 51st year of Brahma, which would make the universe over 155 trillion years old, compared to the 13.8 billion year estimate by cosmologists. Some Hindus claim that annihilation occurs at night and recreates in the morning. According to that teaching, the universe is only about 2 billion years old, since it is halfway through the 4.3 billion year day.

Neither of these are even remotely possible, and to make it more impossible, man is supposed to have been created at the beginning of these time frames. Making us either a 155 trillion or a 2 billion year old race of beings.

What is also lacking is an explanation of what set up this elaborate time system that dictates the life and death of the most powerful gods. The Brahma god evolves into existence and then dies, there would have to be something more powerful outside of time that creates these gods.

There is no purpose behind this creator god making anything, except that is just what he does, on cue at the appropriate time. The highest purpose of man(or living beings) is to escape the suffering of life by attaining moksha, and to be freed from the endless cycle of rebirth by becoming a part of the Brahma. They will then die when the creator god Brahma dies.

So, beings are created so they can escape creation and then die.

Hinduism falls short of our explanation because of:

- 1. Strange creation stories that are pure fiction.
- 2. 155 trillion year old universe and mankind. (or 2 billion, equally impossible)
- 3. A creator that is bound by the same time constraints as we are.
- 4. A creator that evolves into being and then dies, would need to be created by something else.
- 5. No purpose of creation or reason why the effort would be put into making the universe.

#### Islam

According to Islam, Allah is the all powerful creator of everything in six days(yawm) or periods of time, very similar to the Mosaic account in the Torah.

The miracle of the Quran is a key belief in Islam. The Quran claims to be the word directly from Allah with no alteration and passed down without change. It leaves no room for scientific error, since it is supposed to be written by the same omniscient being that created everything and kept perfect by Allah. So, this book should describe nature and the order of the universe without fault.

In Quran 18:86 a claim that the sun goes down in a muddy spring and in 18:90 that you can go to the place where it rises, denoting a flat earth with a sun that circles it. The Hadiths also say that, after the sun sets, it remains prostrate under Allah's throne and waits for his command to rise again in the East. Other verses talk about the movement of the sun and how it circles the earth. In Quran 15:19 it mentions that the earth is "spread out like a carpet" (Quran 15:19), confirming the belief of a flat earth by the author.

The Quran says that the stars are close to earth, below the sun and moon. In 41:12 it says "We adorned the nearest (lowest) heaven with lamps (stars) to be an adornment as well as to guard (from the devils by using them as missiles against the devils). Such is the Decree of Him the All-Mighty, the All-Knower."

If the Quran is the perfect word of Allah, who created the universe and man, how is it possible he would not know that the stars are billions of light years away, not in the lowest sky, below the sun and moon?

Other scientific inaccuracies in the Quran are:

The sky is a dome raised up with invisible pillars
 Quran 2:22, Quran 13:2

• Mathematical error in inheritance laws. Quran 4:11,12 equals 112.5% of total.

People are made from blood clots.
 Where the seminiferous tubules are located.
 Quran 96:2
 Quran 86:6,7

According to Islam the reason Allah created man is to worship him. Quran 51:56

It defies logic that an eternal being, the creator of the universe would create a powerless being like man just to worship him? Especially in the light that Allah chooses those who believe in him and actually makes men for hell. Quran 7:178,179

It would be like us making dolls and setting some of them in a worship position and setting the others on fire. Other verses go against the underlying moral compass within us by promoting evil acts like:

Adultery/Rape Quran 4:24, 70:29-30, 23:5-6
Killing innocent women and children Sahih Muslim (19:4321-4323)
Murder and Enslavement Quran 9:29, Quran 4:89

Crucifixion, dismemberment and torture Quran 5:33, 8:12
Terrorizing Quran 3:56
Stealing Ibn Ishaq (508)
Disrespecting and rejecting father and family Quran 58:2

#### Paradox of the Quran

Most of the above acts are in direct violation of the 10 Commandments from Moses, even though the Quran claims he was a prophet, so this becomes a paradox.

If Moses is a prophet then the Quran cannot be true, because it teaches Muslims to break the Mosaic laws. If the Quran is right about breaking Mosaic law, then it is wrong about Moses being a prophet.

Jesus(Isa) is considered a prophet on the highest order in Islam, it claims he was:

Virgin Born Quran 3:47
Sinless Quran 19:19
the Messiah Quran 4:171
the Word of God Quran 4:171
the Spirit of God Quran 21:91
to Die and Rise Again Quran 3:47

This becomes an even greater paradox because the teachings of Jesus are exactly contradicted by Muhammad.

Jesus said you can't even look at a woman with lust, Muhammad said you can rape a married woman. Jesus said to hate someone is the same as murder, Muhammad said it's ok to kill, even children. Jesus said to love your enemies and forgive them, Muhammad said to terrorize, torture and kill them.

The two greatest prophets of Islam being diametrically opposed in their teachings is just another contradiction that adds to the other contradictions and inaccuracies. These problems make it doubtful that it is a means for the creator of this universe to commune with his creation.

These teachings that promote evil acts are currently being carried out by Isis and other terror groups. The pictures and videos of the actual heinous crimes perpetrated on innocent victims, taking the teachings of Muhammad from paper to reality, drive home the atrocities these verses can bring when truly followed. While most label terror groups as extremists, the acts that they are committing are in the later teachings of Muhammad(622-632 AD). If you read the Quran, they are truly following Islam.

I can't imagine a God that would go to the trouble to prepare the earth, create mankind, and then command his followers to treat others in such brutal, cruel ways. The inward moral compass, given by God to point us in the direction of kindness and fairness towards our fellow man, clearly shows that this is the wrong way.

#### **Judaism**

There are only around 13 million followers of Judaism, so, I mention it only because it was built upon by Christianity and borrowed heavily by Islam. It does have one God that fit the requirements for power and knowledge, but it has several issues to answer for. One being that it has harsh laws that no Jews today follow, including death penalties for rebellious children and non virgin brides.

The fact that no one follows the laws of the Torah means that it has actually has no followers. You can't claim to follow a religion and then ignore it's main precepts. I don't have to make an argument that the Levitical laws are no longer relevant, those who claim Judaism do that for me, because they don't follow them.

Another problem with Judaism is that it centers around the Temple and the sacrifices, required to cleanse a person of sin. These animal sacrifices take the place of the people who made the original covenant and their descendants. They made a blood covenant to keep the Law in Exodus 24, an ancient contract stating, "If I don't keep my word, may what has been done to this animal be done to me." When they break the Mosaic laws, without this sacrificial substitution, the people of this covenant are destined to die without atonement for their sins and eternal separation from God.

The Temple, that is a critical component to all of this, was destroyed in 70 AD. How is it possible that an all powerful God tells you that you are going to face judgment now and for eternity if you don't sacrifice at the Temple, and then allows the Temple to remain destroyed for 2000 years.

Coincidentally, Jesus was put to death for only 2 accusations at his trial 40 years earlier in the Sanhedrin. #1 - of saying he would destroy the temple and raise one up in 3 days(his death and resurrection). #2 - claiming that he was the "I Am", the Messiah.

Judaism has fatal flaws because it was made for an ancient time with harsh laws, that are not necessary for today, and centered around a non-existent Temple. The only way it makes sense is when it is viewed through a Christian perspective.

## Christianity

The most popular of all religions, which lends it credence, if the creator truly wishes to interact with mankind. With an all powerful, eternal God at it's center, it fits the description of what would be needed to create the universe and the intricacies of life.

The reason for all of creation, according to Christianity, is so that God would have a close, family type relationship with humans. "For the creation waits in eager expectation for the children of God to be revealed." Romans 8:20,21

This is unique compared to other religions, because it stresses relationship with God over rules. Christ only gives us 2 commandments, love God and love people. All of his teachings are just expounding on these 2 rules.

The expressions used in the Bible to describe believers are; children of God, co-heirs with Christ, brothers and sisters of Christ, the Church is the Bride of Christ. These are all family relationships that are close, representing the type of relationship that God desires to have with us. The love that a parent has toward their children and the love that a groom has toward his bride are some of the strongest bonds we have and the main examples describing the desired God/man relationship.

It also claims we are made in the image of God. "So God created mankind in his own image" Gen. 1:27

So it appears he wanted a close personal relationship with beings of like kind and gave us the freewill to choose whether we reciprocated that desire or not.

#### Creation

The God Yahweh is the creator of all things, one all powerful God that fits the description we defined with

the expanse. There is a beginning to the universe in Genesis and an end in Revelation, which correlates with what will happen with the temporary energy of this universe.

The time frame is six (yom) days or epochs of creation. Yom is used in the Bible to mean; daylight hours, a 24 hour period of time, a year, age or epoch. The amount of time specified here is inconsequential because it is clearly mirroring the poetic creation stories of it's time in Egypt, Babylon and Greece, except for it's very strong monotheistic point. It is countering the claims of creation by the other gods and claiming each is the work of God alone.

For further discussion of this go to mccullah.net/ArgumentsAgainstChristianity, to the chapter Scientific Inaccuracies.

## Jesus Teachings

I think the strongest argument for considering Christianity are the teachings of Jesus and how they point in the same way as our own moral compass.

The teachings are like a physician's prescription for the problems of mankind. If everyone followed them they would cure 90% of the ills of humanity. On the Sermon on the Mount Jesus taught:

- Love your enemy and pray for those who persecute you The end of wars
- Give to the poor The end of hunger and extreme poverty
- Forgive those who do you wrong The end of familial and societal strife
- Do not be anxious about material things The end of a large part of our stress
- Love others as you love yourself The end of all crime and wrongs against each other,
- Treat others the way you wish to be treated Fairness and kindness to each other in everyday life
- Don't judge others Instead of rejecting others we are to help them

Only the Creator of man could know him so well as to be so precise with the cure. Other religions are full of unnecessary religious rites that do very little to help us live together in peace and alleviate suffering. These teachings are ingenious in the way they deal with the heart of people instead of outward actions.

He was also the first to teach that a leader was to be a servant, to be the greatest you need to be the least, a slave to others. As far as I know true Christianity is the only religion that has embraced that teaching. In other religions or secular institutions, when you move up in rank you have more people to serve you and do your bidding.

#### **Apostles**

The fact that all of the apostles were eyewitnesses to the miracles Jesus did, continued living in dedication to promoting his teachings until their deaths. Even though they were beaten, imprisoned, ridiculed, lived in poverty, and in the end, they were all killed(except John) for holding on to these beliefs. A person simply would not do this if the stories of miracles were a farce or Jesus was a fraud.

This proves the truth of what was reported by them. If the acts of Jesus would have been untrue and the miracles a lie then there would be no motive to sacrifice everything, at least one would have broken ranks to recant. The only disciple to betray Jesus was Judas, and he was filled with such remorse for selling out Christ that he committed suicide.

#### **Prophecies Fulfilled**

Then we have to consider over 1500 prophecies that have been fulfilled, a few examples are:

The capture of Israel by Babylon for 70 years, after that, destruction of Babylon. - Jeremiah 28 and 50 605 BC Judah begins paying tribute to Babylon - In 539 BC Cyrus conquers Babylon

The major empires foretold that ruled over Israel; Babylon, Medo-Persian, Grecian, Roman - Daniel 2

The rise of Alexander the Great, his death and division of his empire to 4 rulers - Daniel 8

The total destruction of Tyre, to the bare rock - Ezekiel 26

Nebuchadnezzar destroyed mainland Tyre, but not the island part of the city.

250 years later Alexander the Great stripped the city totally clean of debris, to the bare rock, to make a causeway to attack the island city.

The time the Messiah would come and the destruction of Temple in 70 AD - Daniel 9

After 7 x 69(483 years) from edict to rebuild Jerusalem walls 457 BC - Death of Christ 30 AD Jewish revolt 67 AD - 73 AD(approx. 7 years), Jerusalem and Temple destroyed in middle, 70 AD A large eagle, representing Jupiter the Roman's main god, is put over the great gate to the Temple An eagle banner was brought to the east gate of the Temple and sacrificed to by the Romans Daniel 9:27 specifically says, "on the wing of abominations shall be one who makes desolate." Jesus warned, that when they saw this sign of Daniel to flee immediately. Most Christians had to leave Israel because of the persecution by the Jews, but the few left fled to Pella in Jordan because of this warning.

#### Messianic prophecy of Psalm 22

My God, my God, why have you forsaken me? - Jesus quotes the first of this Psalm because it is a prophecy of how he is feeling as he is hanging on the cross. This is an amazing prophecy.

"All who see me mock me; they hurl insults, shaking their heads."He trusts in the Lord," they say, "let the Lord rescue him. Many bulls surround me; strong bulls of Bashan encircle me. Roaring lions that tear their prey open their mouths wide against me. I am poured out like water, and all my bones are out of joint. My heart has turned to wax; it has melted within me. My mouth is dried up like a potsherd, and my tongue sticks to the roof of my mouth; you lay me in the dust of death. Dogs surround me, a pack of villains encircles me; they pierce my hands and my feet. All my bones are on display; people stare and gloat over me. They divide my clothes among them and cast lots for my garment."

The Jews would come back to Israel after exile, from all over the world - Ezekiel 37, Amos, Jeremiah 16 After 1900 years, Jews have come to Israel from nations all over the world.

That the nation of Israel would be recreated in one day - Isaiah 66

May 15, 1948 Israel becomes a nation in one day.

The nations that will attack Israel in future- Ezekiel 38

Kazakhstan to Tajikistan, an area of about 60 million Muslims - (Magog)

Possibly Russia - current allies with Muslim countries and against Israel in UN - (Gog)

Turkey - Muslim country - (Meshech and Tubal)

Iran - Muslim country that constantly threatens to destroy Israel - (Persia)

Sudan - Muslim country - (Ethiopia)

Libya - Muslim country - (Put)

When this was written Ezekiel was in Babylon, these countries would not have been enemies of Israel. There is no way he could have known that these would later be indoctrinated with an extremely antisemitic religion that are currently some of the most ardent enemies of Israel. It is of debate whether Gog is modern day Russia, but, these countries are all current allies of Russia.

Revelation foretells of a series of meteorites that hit the ocean and land killing a lot of people on the planet.

NASA was developing the Ares V rocket for deep space travel, that would have given them the capability to get spacecraft to meteors to divert them. But, the government cut the program in 2010. As of now, we would be helpless to change the trajectory of an asteroid on a collision course with earth.

## **Archaeological Evidence**

## Flood stories throughout world

These have been excavated in the lands of the Babylonian, Akkadian, Sumerian Cuneiform tablets, older Chinese characters in bronze vessels 272 mentions including Aztec and Inca cultures

#### **Sodom and Gomorrah**

The five destroyed cities have been found with a layer of burnt debris and sulfur balls, even with remains of tar pits as described in Genesis 14.

## City of Jericho

Discovered with evidence of collapsed walls dating to the time the of the Jewish Exodus from Egypt(1400 BC). A major fire had occurred leaving a 3 foot layer of ash, after which was a long period of no habitation. The city had large quantities of grain stored in the houses, indicating the city had been destroyed quickly, without siege, shortly after harvest. This perfectly matches the biblical account as described in Exodus.

## **Hittite Empire**

Recorded in the Bible in Abraham to David's time, thought to be non-existent because of no other civilizations referencing them. Found the capital in 1906, Hattusas, which showed they were an empire as early as mid-second millennium B.C.

**Merneptah Stele** - A seven foot Egyptian slab of rock engraved with the story of the conquest of Palestine and the Israelites being there in 1230 B.C.

Cities found archaeologically that are listed in Bible - Beersheba, Beth Shean, Beth Shemesh, Dan, Gibeah, Gezer, Haran, Hazor, Jericho, Meggido, Samaria, Shechem, and many more including the Philistine cities of Ashkelon, Ashdod, Ekron, Gath and Gaza.

**Shishak's** Invasion of Judah recorded in Kings and Chronicles - Is in hieroglyphics in the Temple of Amon at Thebes

Moabite stone records the rebellion of **Mesha**, king of Moab which is also in II Kings.

Tel Dan Stela gives proof of **King David** outside of Bible.

Burial plaque of King Uzziah.

Commemorative plaque of King Hezekiah.

Siege of Jerusalem by **Sennacherib** with baked clay prism by Assyrians.

Cylinder of **Cyrus the Great** and the return of the Jews from exile in Babylon.

## The Purpose of Creation

If Christianity is true, then what is the purpose of creation? As we have shown before, Paul defines creation as existing for the sole purpose of birthing the "sons of God".(Romans 8:19)

If you were God, the only presence in the infinite expanse, how would you produce companionship. Designing something that had no will and no choice but to love you and be your friend, would be an empty form of fellowship. Even if you impart free will and they know you in your exalted state, your overwhelming presence would compel conformity; that does not constitute much of a choice.

The only real way to assure that you are chosen without compulsion is to put people in an environment where:

- You aren't clearly visible, but have plenty of evidence of your existence around them.
- They have to seek you and make it a priority to find the truth.
- They have free will to live their life however they choose.

If you really wanted those who were dedicated then you would make it more difficult by adding:

- Pleasures and pursuits that can be chosen over a desire to get to know your creator.
- Suffering and persecution for following the way to get to know you.
- Following a way that goes against your basic nature of selfishness, pride and pleasure.

What you would end up with would be an exceptional people, who chose you in difficult circumstances. A people who truly proved their desire to be a part of the family of God.

It just so happens that Jesus said we will suffer for his sake. We will endure persecution and rejection when we follow his teachings. He also taught us to be unselfish, loving and forgiving to an extreme (70 times 7 in one day).

Jesus warns people to think about the cost before they decide to follow him, so they don't make a rash decision and then give up when circumstances get difficult. He warns that you may be as poor as him, without even a pillow for his head; people close to you (even your own family) may turn on you; ridicule, abuse, jail and even death may be your lot here on earth. I have yet to hear a preacher (except in China) or televangelist preach a sermon on those passages. So, the overall plan is to find people who are exceptional and dedicated to an extreme.

A good illustration of this is the legend of Al Khamsa, the first five mares of the Arabian horse breed. According to one version, Muhammad was coming up on an oasis, after traveling in the desert a long time. He released their large herd of horses to get water because it had been several days since they had drank. He blew the horn for battle before the horses could reach the water and these five mares were the only ones that returned, ignoring their need for water. The legend says that they became the favorites of Muhammad and the first brood mares for the Arabian horse.

If you were a God of infinite love you would want to refine your choices, since you are inviting them to be a part of your family, the inward circle of your love and trust. Angels lived in the glory of God and still a third of them were convinced by Lucifer to rebel. This shows how a being of freewill can easily reject God and why it would make sense to screen your eternal family.

If you think about the heartache we humans go through when those who are close reject us, with our limited love. Compared to the infinite love of God, you can imagine the pain that God goes through. It makes sense that only those serious about seeking God would be allowed into the inward family circle. Those that have gone through the fire here on earth and still seek him.

## Why is there suffering?

The fabric of creation itself is woven with pain and suffering. Our very survival depends on physical pain, without it our lives are in peril. Those born without the ability to feel pain have to be monitored closely as children and their life expectancy is reduced because of the accumulation of wounds, diseases and other health issues that they are unaware of.

Emotional pain is necessary for us to exist as a society. People, like psychopaths, who do not feel emotional pain are not able to form bonds or operate with empathy in a family or communal way. This world would be a much more cruel place if we could not feel the negative emotions that we associate with pain. Families would not be held together without the pain of separation, parents would not care as well for their children, we would not feel empathy for those needing our help.

Many people reject God because of the suffering in the world. The main problem they have is one of perspective. When you look at this life as the only thing that matters, as the end goal of existence, then you look at suffering as a tragedy. But, when you look at suffering through an eternal perspective, as a temporary work to make us better, then it takes on a new meaning.

The New Testament views suffering as a way of enhancing our more admirable traits such as humility, empathy, perseverance, character, obedience, hope in God, etc... Jesus himself was "perfected" through suffering, even though he was perfect, it still did a work in the Son of God. Suffering changes us in a way that nothing else can and does a work that stays with us for eternity.

God designed creation with suffering as a key element, and then came to earth and experienced some of the worst torture. This shows that our human perspective of suffering, as being the worst thing possible, is flawed. When viewed, as Paul puts it, as a short and temporary affliction compared to the eternal glory that it brings, we see there is a definite purpose in it. The changes that it makes to our soul apparently follow us into eternity.

Consider the 2 types of eternal beings in Christianity, angels and humans.

#### **Angels**

Sinless nature
In the presence of God
Freewill - have to choose to rebel
No pain
Servants of God

## **Humans**

Sinful nature
Have not seen God
Freewill - have to choose to obey
Pain and Suffering
Children of God

According to the New Testament we are born lower than the angels, but, upon our entry into the Kingdom of Heaven, we will judge angels and will be the children of God, joint heirs with Christ. Angels are servants of God, but they don't go through the suffering and testing that earns us the right to be family.

The highest ranking angel was Lucifer, the wisest and most beautiful of them all. You can see the damage, pain and misery he has inflicted on humans and angels alike. Even the lowest of those who enter the Kingdom of God will be superior in every way to the most powerful angel. To entrust that kind of power to people who have not walked through the fires of testing would be disastrous.

So, we see that our struggle through the troubles of this world have a clear purpose that elevates us to a position in God's Kingdom that other created beings will not share. In the end, because of the afflictions and trials that we overcome in this life, we will receive a great reward and the honor of being part of God's family.

Paul puts it best, "our present sufferings are not worth comparing with the glory that will be revealed in us."

Suffering is not random torture allowed by a sadistic God. A great leader doesn't ask his followers to do anything they are not willing to do themselves. God shows this in the greatest way when he came to earth and suffered by the way of Roman crucifixion, one of the most extreme tortures in history. He went through rejection, ridicule, hardship, temptation, torture and martyrdom. The very things he says we will go through, but he went through them first.

If suffering is needed to refine us, sculpting us in a way not possible by any other means, then the suffering that Christ endured showed his true love for us. He didn't have to go through it, he could have just allowed us to suffer as he watched from his heavenly throne. In fact, he didn't want to suffer, he asked God if there was any other way, that the cup of suffering should pass from him. But, it was the only way for God to partake in the suffering that we go through, and he endured it for our sake as an example. There is a lot of suffering in this world, and a lot of terrible stories, but few can claim to have suffered more than Christ himself.

For those who view this existence from an eternal perspective, suffering can be endured, because it changes the depths of our very soul for the good; God has a purpose behind it.

For those who have a temporal perspective, that this life is it, then suffering is just a cruel part of existence to be avoided at all cost; God is sadistic for no reason.

They judge God for all of the suffering on earth, I see posters with starving children and man-made horrors saying, "Where was God?". They point to God and say, "Why don't you help these children?"

But, someday God will judge them and his question will be, "Where were you? I commanded you to feed the hungry." Those starving children will point to them and ask, "Why didn't you help us?" Each person will have to account for the suffering that they could have prevented by following Jesus teachings.

Christ taught us to give to the poor, to help and comfort the widows and orphans, to stand up for those who are being led off to slaughter, to promote love, even at the cost of our lives. The teachings of Christ would eliminate 90% of the worlds suffering, but many would rather refuse to follow them and then blame God. It's like a person getting a prescription from a doctor for an illness, refusing to take the medicine and then blaming the doctor for not getting better.

It isn't logical that an all-powerful God created this world of suffering without purpose. That it would simply be an endurance test or a failed experiment. Logic tells us that an omniscient being would put a plan in motion that would have a purpose.

When you train an elite soldier like a Navy Seal, you put the trainees through torturous conditions to get excellence out of the best candidates. If you allowed the soldiers to relax and enjoy themselves all day, without any trials or testings, then you would get mediocre recruits that wouldn't be fit to accomplish any missions. The pain and suffering is an essential part of the training to obtain the best and weed out the rest.

In the same way God wants only the best to part of his family, the ones who go through the trials and suffering and still choose to follow the teachings of Jesus. The reward of enduring what we are going through now is to have close communion with the all powerful Creator of the universe for eternity.

The painter Akiane Kramarik, with a wisdom that is beyond her age, uses these words when telling about her painting "Hand Of Destiny".

"In an imperfect terrestrial or spiritual life there would be no compassion without pain, no endurance without struggles, and no wisdom without real experience."

#### **Entering the Kingdom of Heaven**

When we read the many different things that Jesus taught about becoming a citizen of God's Kingdom, 3 things stand out.

#1 - Believe Jesus is God. Jesus said, "I and the Father are one," and "before Abraham was born, I am!" If he is not God then the sacrifice for your sin meant nothing. He would have no right to nullify the contract of the first covenant, an oath between God and the Israelites, which called for death for those who did not obey the law. God would be the injured party in this case, so only he could dismiss the charges by paying the price and fulfilling the contract.

#2 - Obey the teachings of Jesus. The most important of these are to repent, or turn away from the sinful life you have been living, and to be baptized. Baptism is symbolic of dying to your own life and being raised up in the life of Christ. It is also the way the Gentiles enter into the Covenant of God. Two

other commands are, love God and love your neighbor, neighbor being defined as even your enemy according to good Samaritan parable. Jesus said, "Not all people who sound religious are really godly. They may refer to me as 'Lord,' but they still won't enter the Kingdom of Heaven. The decisive issue is whether they obey my Father in heaven."

#3 - Total commitment. Jesus makes it clear that it is an all in commitment to following him. He even warns people to "count the cost" before following him, because you will carry your own cross(referring to Via Dolorosa) and give up everything for him. He compares the Kingdom of Heaven to a great pearl that a merchant finds and sells everything to get it. We are called to die to ourselves, "If you try to keep your life for yourself, you will lose it. But if you give up your life for me, you will find true life."

You might ask why it is important that we follow the teachings of Christ. Why not allow those who are fairly good people on earth, but refuse do things God's way, to enter heaven also? If a being with free will is rebellious here on earth, where they are practically powerless, how much more will they rebel when given power as a child of God and the authority to judge angels. Lucifer was the most powerful angel and he lead a third of the angels in rebellion against God even though he lived in Heaven. We will have much more power and authority than he did, rebellion can't be allowed with that power.

God is perfect in nature and cannot be in the presence of those who are wantonly disobedient. Brian Melvin, an atheist who died and went to hell, tells about the explanation given to him why he couldn't enter heaven. This is what Jesus said to him, "If I let you into heaven with what you know now, and I am just, right, perfect, you would misuse that and keep sin alive in heaven, you can't come in."

God has set requirements for entering Heaven. When you want to become a citizen you have to fill out the paperwork for the country you're in, you have to do whatever their requirements are. Why should it be any different for citizenship in the kingdom of God.

You wouldn't go into a country's immigration office and bring in paperwork from another country and demand they accept it. You would fill out their paperwork according to their rules if you wanted to get in. The idea that all religions lead to God and that you can just pick whatever way you want and it will be fine, is an insult to the sacrifice that was made on your behalf. It means that Christ's suffering and death on the cross meant nothing.

The same thing goes for any license including; driving, marriage, business, professional; any college or institution that you are a part of. Almost anything you join or achieve requires the same process, an initial act, fulfilling certain requirements, and then following the rules to maintain your license or membership.

There is only one way that has been laid out for us to become a citizen of the Kingdom of God, it is righteousness through Christ. We have to make that initial choice to ask for forgiveness of our sins.

The fruit of creation are beings with a free will, that choose God over the pleasure of this world. To endure the pain and suffering of this life and live in obedience to his commands. They are those who lose their lives to gain them, who become slaves to Christ to be truly free. They are the reason for this universe and all of creation.

## **Trinity**

The teaching of one God, with 3 separate consciousness, has put Christians at odds with Muslims, Jews and even "Jesus only" denominations because it is misconstrued as polytheism. Most Christians do not understand the Trinity, they just accept it as a concept of 3 divine persons in 1 God.

God, a being of infinite power and size, cannot interact with us or any of his creation in his full form,



we would be annihilated by the infinite energy. There must be a "point" of consciousness that he uses to communicate with his creation. That would be the God described by those who have seen him on his throne like Isaiah or John; or others who have seen him on earth like Adam or Abraham. They are only seeing an infinitely small portion of God. It is not possible to see him unless you are an infinite being yourself, which is impossible as there is only one expanse and therefore only one being of

such magnitude.

Jesus (God/human nature), of the same expanse



as God. but also the nature of man. When Jesus took on the nature of man, he became something unique from the pure God consciousness, even though his being is still from the same source of the infinite expanse. As a man he was able to fulfill

the death requirements of the oath for breaking the Law(Exodus 24).\*

As God he was able to nullify the contract, if he was not God then his sacrifice would have been worthless and animal sacrifices would still be required.



The Holy Spirit (God/person) is another unique point of God because of his interaction with the individual spirit of man, each one of us personally. There is an amalgamation of our spirit and the Spirit of God, making the fellowship of man and God complete. This was possible only after the sacrifice of Christ, which allows us to attain the righteousness of God, making our union with him possible.

Jesus tells his disciples that it is better for him to "leave" so that the Holy Spirit would come. Leave is referring to the work of his sacrifice, resurrection and ascension; he is saying that if he doesn't fulfill the work that makes man right with God, the Holy Spirit will not be able to enter the intimate fellowship with our spirit because of sin. Shortly after the work is completed, Jesus tells the disciples to go to Jerusalem and wait to receive the Holy Spirit, which happens in the upper room at the day of Pentecost

#### **Old Testament vs New Testament**

A lot of confusion stems from the lack of understanding of the different covenants that set the stage for the unfolding of God's perfected plan.

The Old Testament laws and prophecies were a shadow of the New Covenant. Hidden signs that told when God would bring the ultimate plan of righteousness for the whole world, not just the Jews. In the New Testament Paul says that we are dead to the Law, and compares the Old Testament to slavery and the New Testament to sonship.

The stark contrast between Christ's teachings and the Old Testament commands are the difference between God's perfect teachings and a compromise between what the ancient Israelites would or could follow. Jesus says that the Law was a compromise between what God wanted and what the people of that time could handle, "Moses permitted you to divorce your wives because your hearts were hard". The Hebrew people that came out of Eqypt could not have handled what God truly desired, what Jesus later taught.

The Law of Moses is similar to ancient laws of the surrounding countries like Egypt, Babylon and Hittite laws. This is what the Israelites were accustomed to, it is no accident that they are similar. They had a lousy track record of following what they knew. It would have been a disaster to have thrown in the concepts of the New Testament, that would have been totally foreign to them.

The radical teachings of Jesus could only be followed with the personal help of God(Holy Spirit). After Jesus' sacrifice, a path was opened for man's righteousness. This enabled the Spirit of God to fellowship in the most complete way with man. Living inside, an amalgamation of corruptible and incorruptible. Before this, in the Old Covenant, man would have been helpless to accomplish the heart change required in the New Testament on their own, without the help of the Holy Spirit.

Man, without the Holy Spirit, is not capable of following commands such as; love your enemies, forgive those who wrong you, turn the other cheek when insulted, give what you have to the poor, rejoice when people persecute you, etc...

## The Meaning of Life - Summary

The original uncaused being used energy, with laws to give it order, to create matter. He then used a system of proteins and DNA to create life and ultimately, us.

The energy and thought put into our creation was no small matter, I believe this effort shows our value to the one who created us. It shows that each life has meaning and purpose. We have mathematically proven we are not a "cosmic accident", nor is any individual life an accident.

The #1 reason for our existence is to get to know and establish a relationship with our creator.

The **#2** reason for existence is to fellowship with each other. To treat others with kindness and respect, showing love, even to your enemies. To help people whenever possible, to be a positive influence on those around us. Living with an attitude of serving others, instead of a selfish life of using others.

The **#3** reason for existence is to find the specific purpose for which you were made, to use whatever gifts you have been given. We were all created for a specific reason, made to be an interdependent community, with the talents and desires to accomplish the purpose we are to fill.

In order to fellowship with God we have to go against our basic rebellious nature and choose to leave the path that we were born to. Jesus talks about the trials and sufferings that we will go through when we accept his sacrifice, that forgives the offenses that we have committed against God and man.

This is part of the design, so that only those who are serious about wanting this relationship will enter it. It has to be done God's way, no rebellion can be allowed to be in God's presence.

The whole purpose of creation is to find those who desire to fellowship with God, His way, choosing the redemption that he set up through Jesus.

#### References

Average protein size: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1150220/table/tbl4/ and https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1150220/

PMC full text: Nucleic Acids Res. 2005; 33(10): 3390-3400. Published online 2005 Jun 10. doi: 10.1093/nar/gki615

Clark, Ronald W. (1971). Einstein: The Life and Times. New York: World Publishing Company

The U.S. Science and Engineering Workforce: Recent, Current, and Projected Employment, Wages, and Unemployment John F. Sargent Jr. Specialist in Science and Technology Policy

Congressional Research Service February 19, 2014

The Washington Times - December 23, 2012, 84 percent of the world population has faith; a third are Christian By Jennifer Harper

Morals don't come from God 8 February 2010 | Nature International Weekly Journal of Science

Scientists Find Smallest Number Of Genes Needed For Organism's Survival Science Daily December 13, 1999

Microbiology - Bacteria Antibiotic Resistance Armando Hasudungan https://www.youtube.com/watch?v=057phDG4mKU Scientists

and Belief Pew Research Center for the People & the Press May and June 2009

Stochastic yet biased expression of multiple Dscam splice variants by individual cells Nature Genetics 36, 240 - 246 (2004) Published online: 1 February 2004

One Gene = One Protein? Not Even Close! Aug. 8, 2012 Dr. Jay L. Wile

Drew Berry: Animations of unseeable biology Ted Talks

The RNA World and Other Origin-of-Life Theories by Brig Klyce http://www.panspermia.org/rnaworld.htm

Signature proteins for the major clades of Cyanobacteria Radhey S Gupta and Divya W Mathews BMC Evolutionary Biology 25 January 2010

Database for mRNA Half-Life of 19 977 Genes Obtained by DNA Microarray Analysis of Pluripotent and Differentiating Mouse Embryonic Stem Cells authors: Lioudmila V. Sharova Alexei A. Sharov Timur Nedorezov Yulan Piao Nabeebi Shaik Minoru S.H. Ko Oxford Academic DNA Research

RNA duplicating RNA, a step closer to the origin of life Yun Xie ARS Technica 4/7/2011

First-ever estimate of total bacteria on earth microbiologist William B. Whitman University of Georgia

How Many Wild Animals Are There? Brian Tomasik 26 Jan. 2017

What is the mutation rate during genome replication? Cell biology by the numbers Ron Milo Weizmann Institute of Science Rob Phillips Professor of Biophysics and Biology at Caltech

Rates of Spontaneous Mutation John W. Drake, Brian Charlesworth, Deborah Charlesworth and James F. Crow Genetics April 1, 1998 vol. 148 no. 4 1667-1686

Lineage-Specific Evolutionary Rate in Mammalian mtDNA Carmela Gissi Aurelio Reyes Graziano Pesole Cecilia Saccone Oxford University Press Molecular Biology and Evolution Print ISSN 0737-4038 Online ISSN 1537-1719

Can genes be turned on and off in cells? National Library of Medicine March 28, 2017 Lister Hill National Center for Biomedical Communications

Half-Billion-Year-Old Brains Preserved in Fool's Gold By Stephanie Pappas, Live Science Contributor | November 10, 2015 07:51am ET

The Descent of Man, and Selection in Relation to Sex - Charles Darwin 1871

Research suggests that evolution sometimes meant becoming simpler, not more complex Dr David Ferrier The Scottish Oceans Institute at the University of St Andrews, September 28, 2012 Current Biology Cell Press

The Creator and the Cosmos Astrophysicist Hugh Ross June 1, 2001

Nobel-Winning DNA Research Challenges Evolutionary Theory Daniel J. Dyke

eye co-evolved up to 50 to 100 different times in different types of animals. \*Land, M.F. and Nilsson, D.-E., Animal Eyes, Oxford University Press, Oxford (2002).

"Unregulated over-expression of efflux pumps" Oxford Academic, Journal of Antimicrobial Chemotherapy https://academic.oup.com/jac/article/51/1/9/771243/The-importance-of-efflux-pumps-in-bacterial