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# Christian Apologetics

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# Apolo-what?!?

- What does "apologetics" mean?
- Where does it come from?



# Purpose of this series:

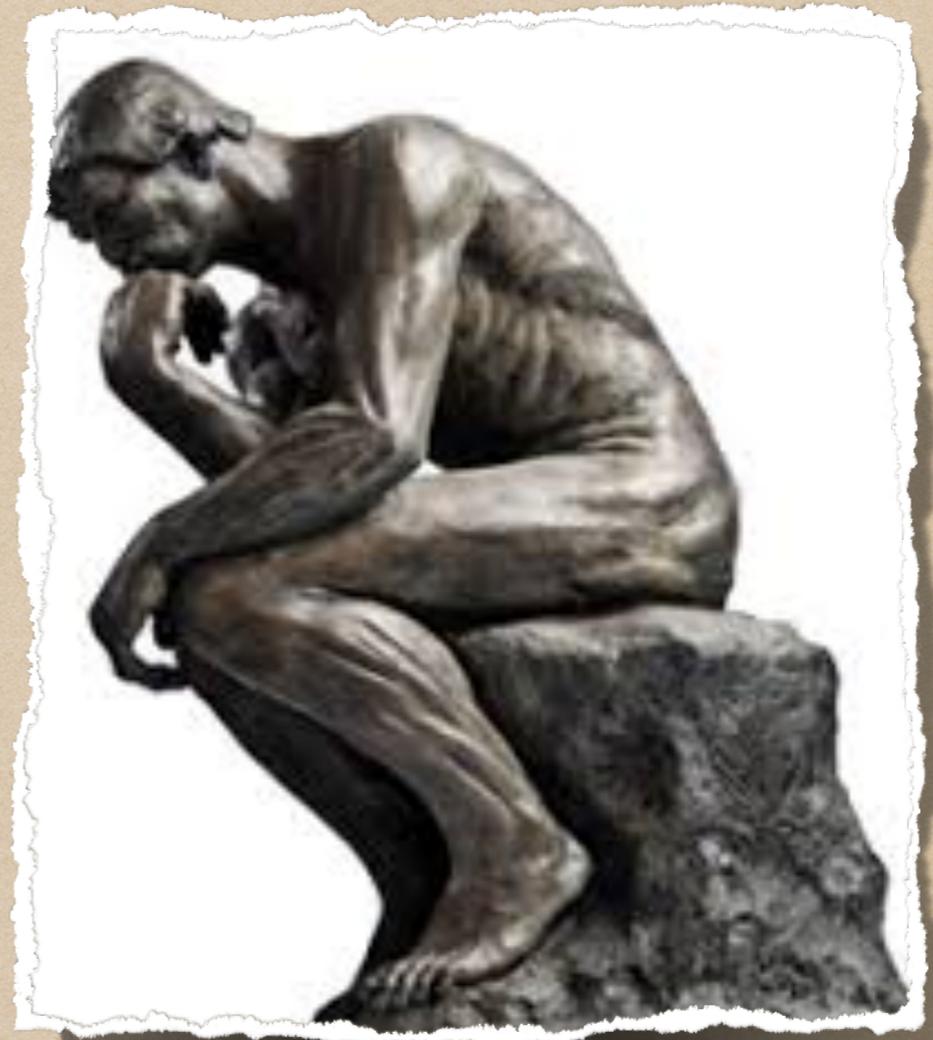
- To answer difficult questions.
- To equip you with truths that will help you to better defend your faith



# Overview of Lessons:

Over the next 5 weeks we will be looking at:

1. Evolution vs Creationism
2. World religions and how they compare to Christianity.
3. Manuscript and Archeological evidence for the Bible.
4. Mormonism
5. Jehovah's Witness





# Evolution vs. Intelligent Design

Lesson 1:



How did we get here?  
What is your worldview?

# What is a worldview?

- ◆ Evolution
- ◆ Intelligent Design



Philosophy

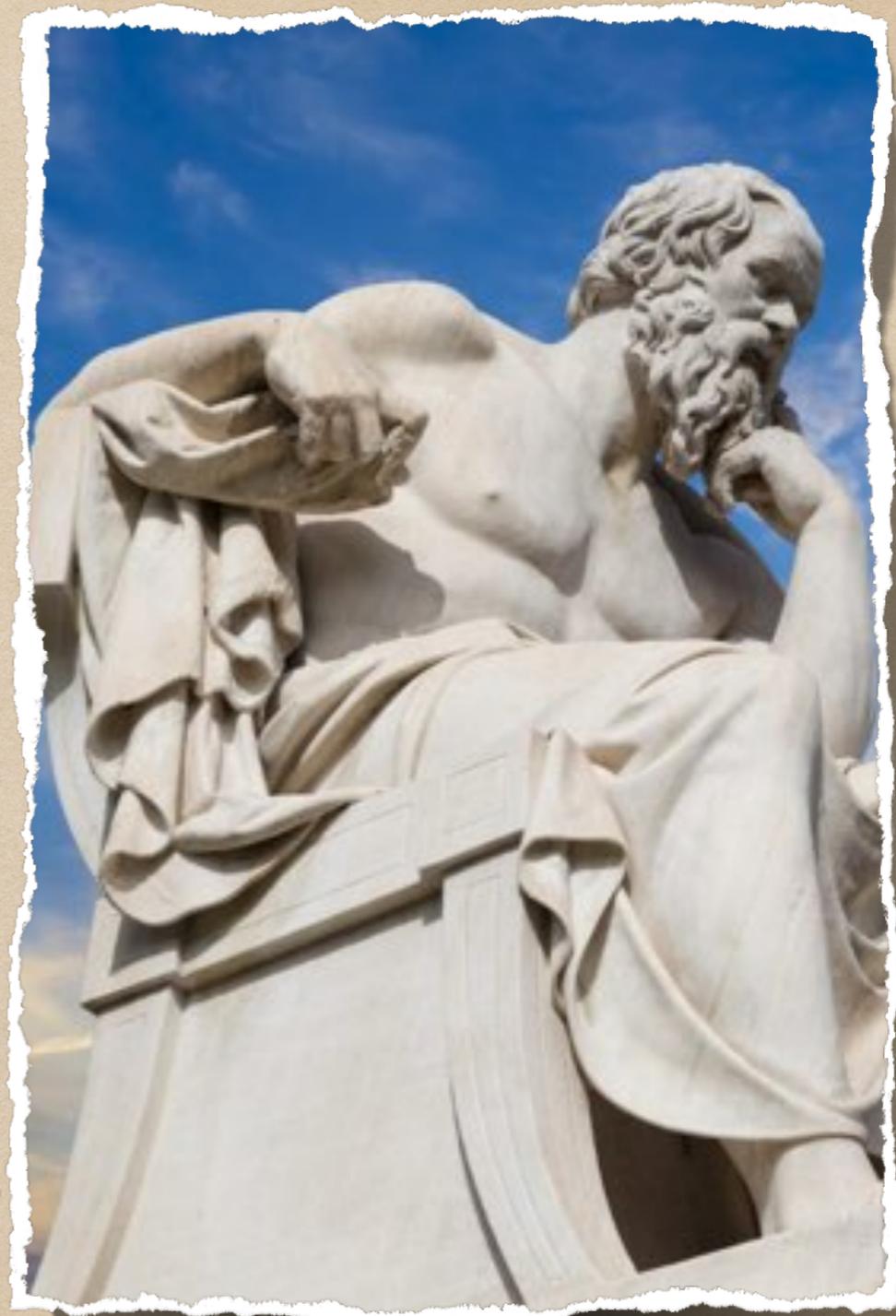
Physics

Biology

Mathematics and Probability

Astronomy

# Philosophy





René Descartes (1637)

“I think, therefore, I am”.

If there is no God, then we must attempt to explain why there is something at all rather than nothing. In light of the evidence, we are left with only two options: either no one created something out of nothing, or else someone created something out of nothing.

~Norman Geisler & Frank Turek

# Evolutionist Argument:

- Evolution is real science that deals with facts
- Intelligent design is religion that deals with faith and fairytales.

# The Cosmological Argument

1. Everything that begins to exist has a cause.
2. The universe began to exist.
3. Therefore, the universe must have a cause.”

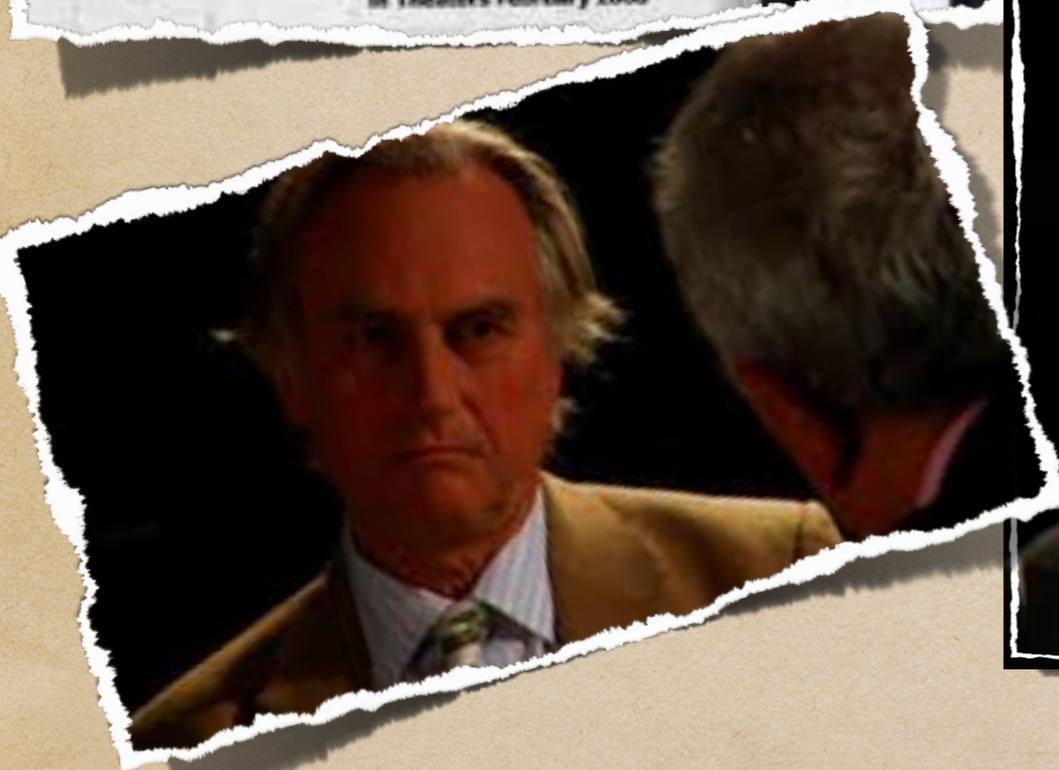
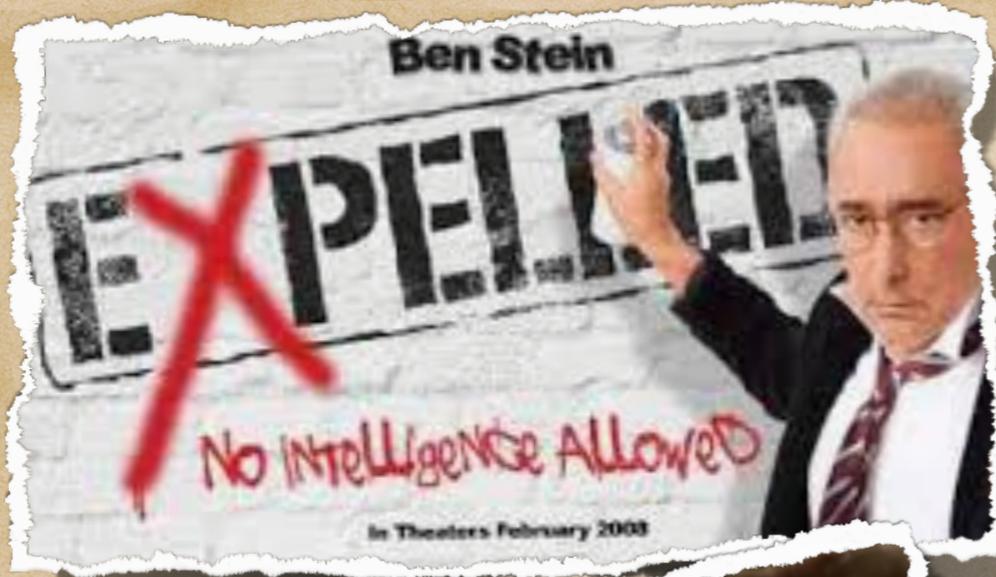


# Cause & Effect:

“the most certain and universal of all scientific principles is that of causality, or the law of cause and effect... when we try to trace an event to its first cause, or causes, we find that we never seem to reach a stopping point. The cause of the event was itself caused by a prior cause, which was affected by a previous cause, and so on.”

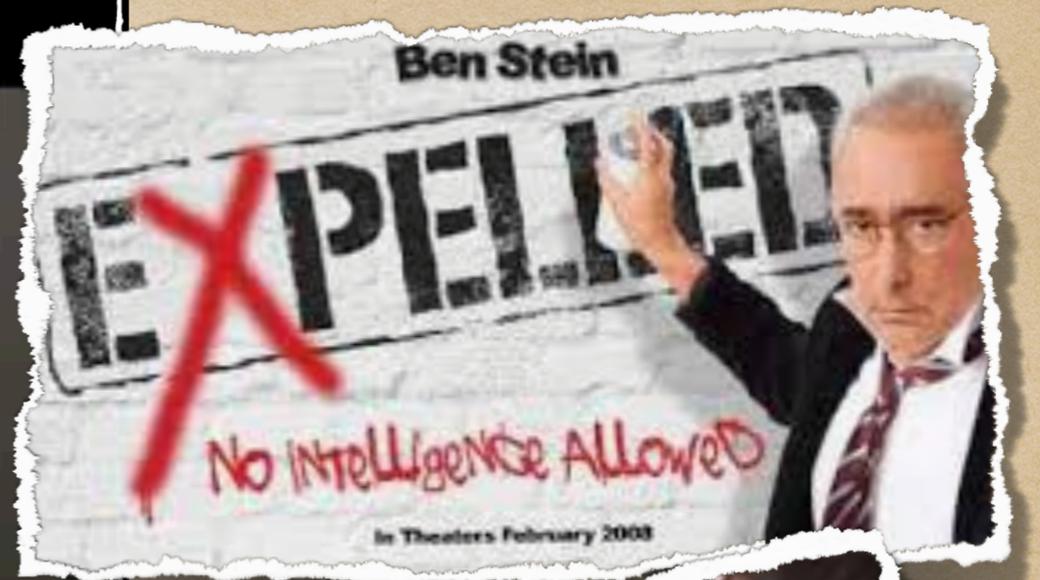
# Cause & Effect:

“Rationally, it can be concluded that all things began with a single uncaused First Cause: the God who is above all and existed before all other causes.”



Richard Dawkins & Ben Stein Interview

<https://www.youtube.com/watch?v=BoncJBrrdQ8>

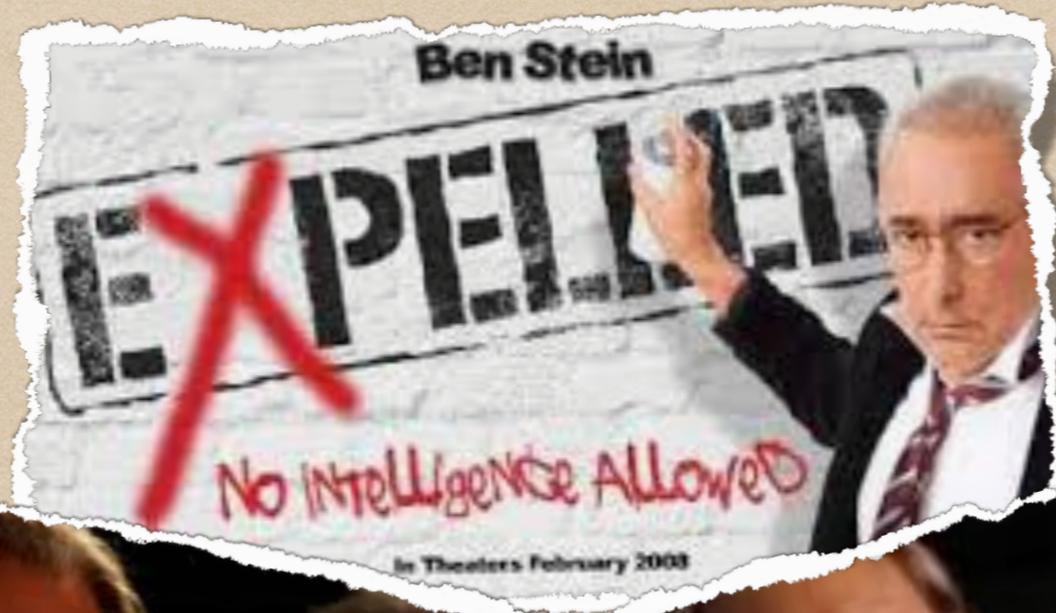


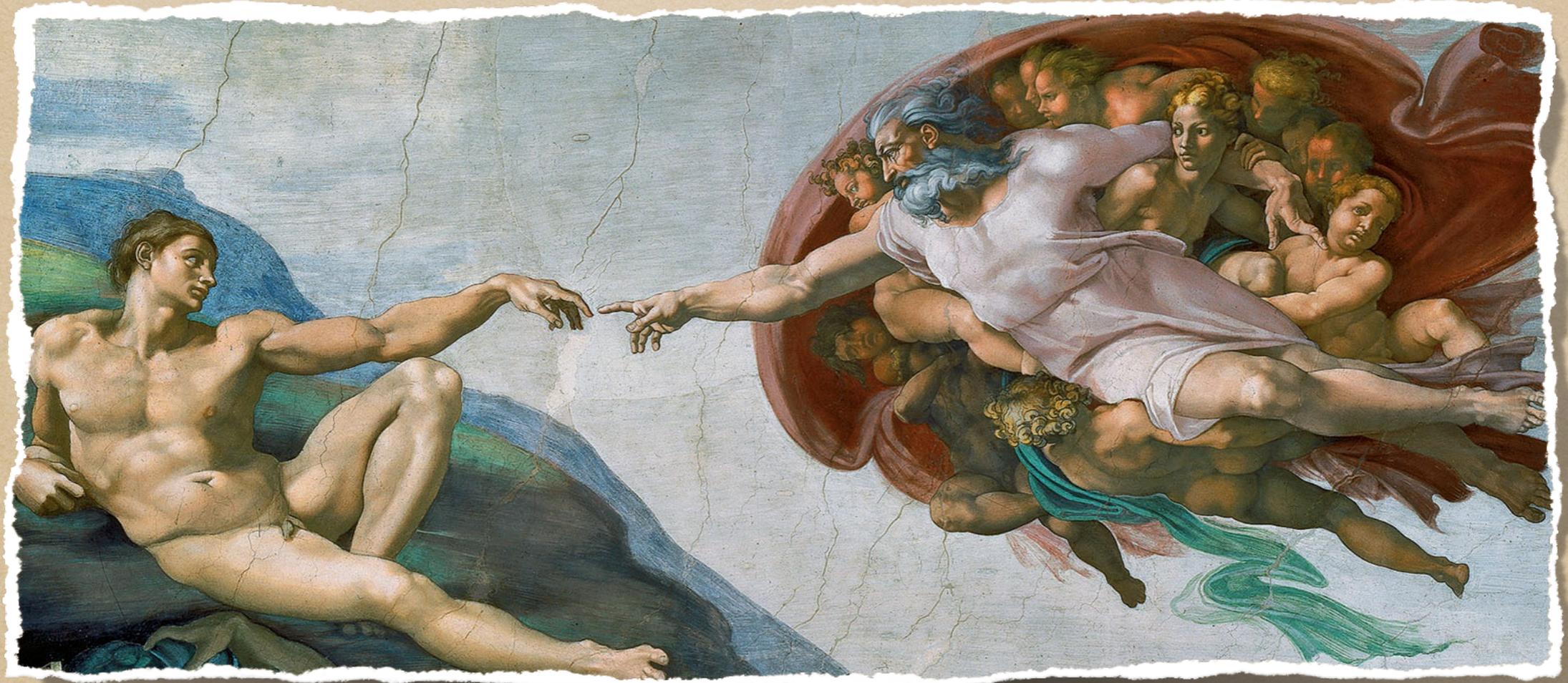
Michael Ruse & Ben Stein Interview

<https://www.youtube.com/watch?v=TUetJ3umTWU>

# The Origin of Life:

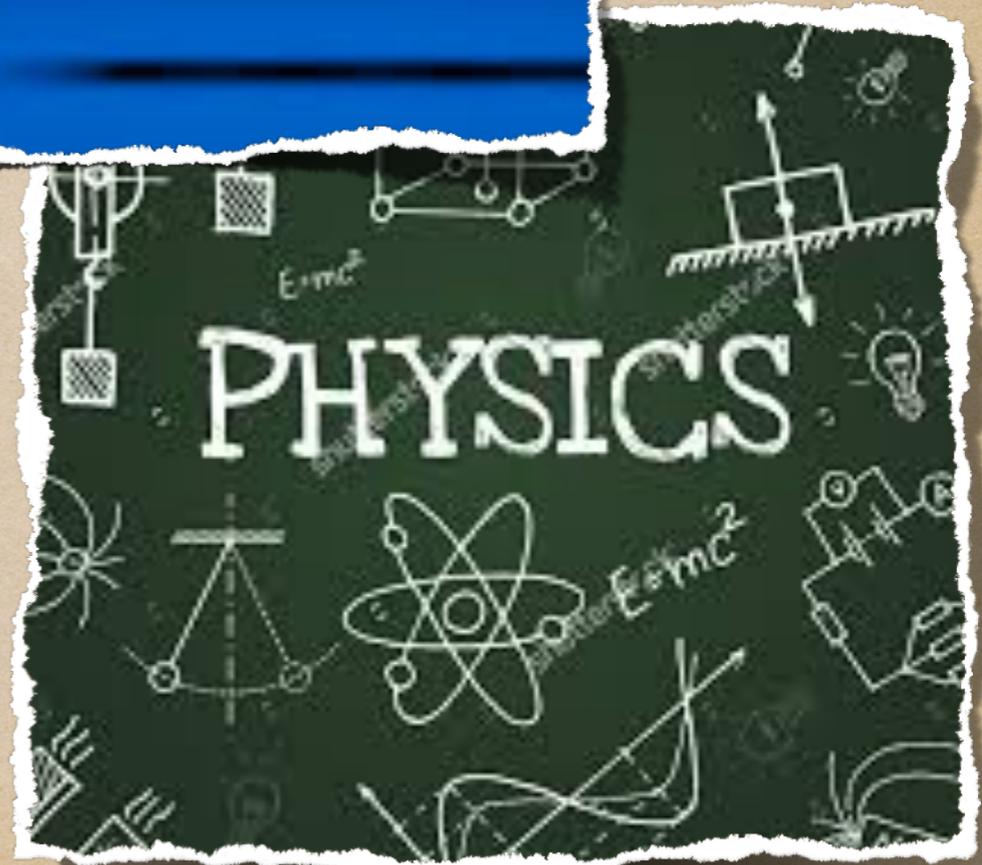
A Scientific Explanation





Then Who Created God?

Physics





## Genesis 1:1

“In the beginning, God created the heavens and the earth”.

# The God of the Bible:

The God of the Bible is not a created 'deity' or something that has evolved to a state of godhood.

- He is Eternal
- He is the Creator of Heaven and earth
- He holds all things together.
- He is not effected by time, space, and matter.

The Laws of:  
Thermodynamics

# Second Law of Thermodynamics



entropy

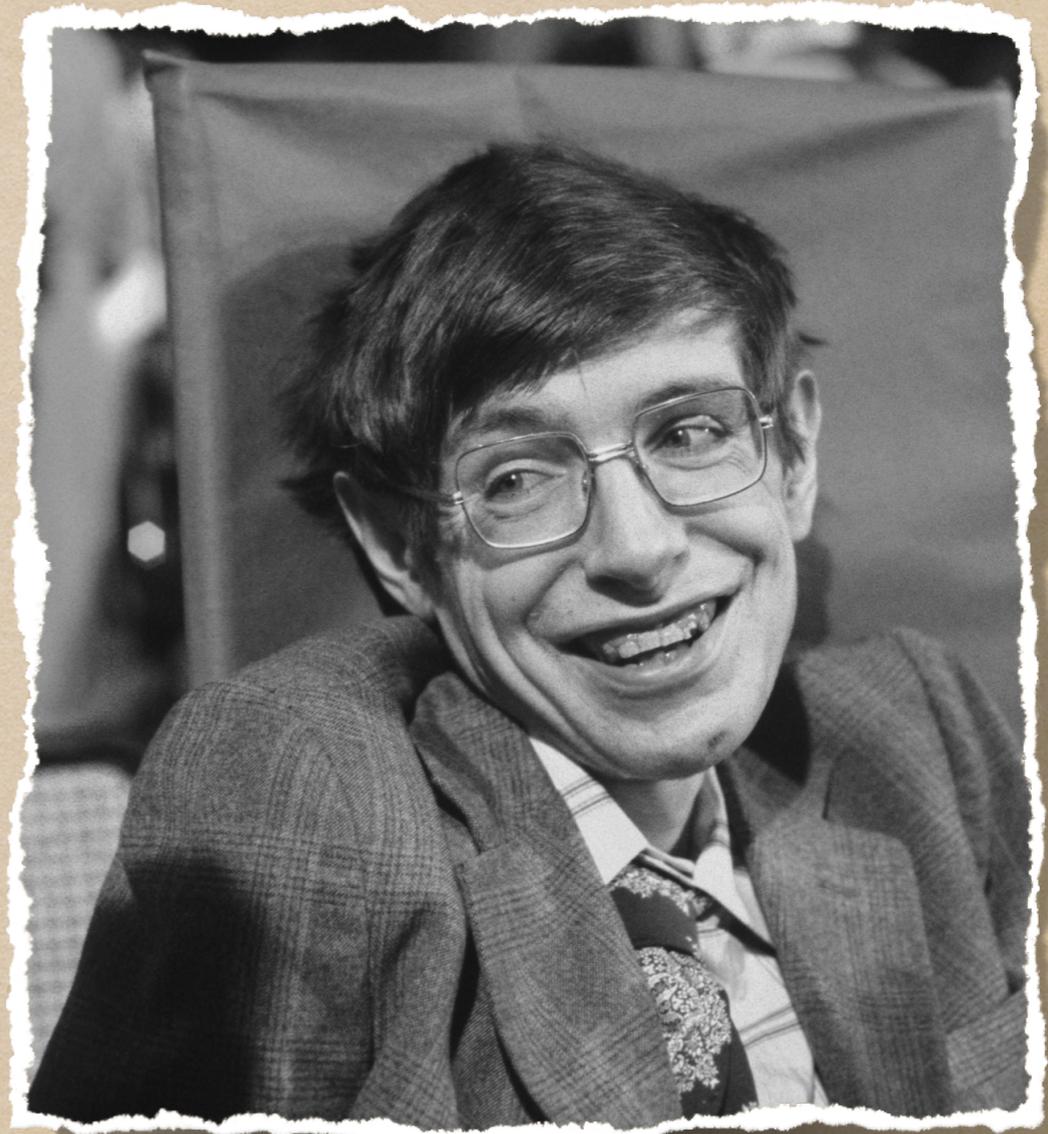
2nd Law of  
thermodynamics:

Entropy



# Stephen Hawking

“...If your theory disagrees with the Second Law of Thermodynamics, it is in bad trouble. In fact, the theory that the universe has existed forever is in serious difficulty with the Second Law of Thermodynamics. The Second Law, states that disorder always increases with time. Like the argument about human progress, it indicates that there must have been a beginning. Otherwise, the universe would be in a state of complete disorder by now...”



# Biology



“If it could be demonstrated that any complex organ existed, which could not possibly have been formed by numerous, successive, slight modifications, my theory would absolutely break down. But I can find no such case.”

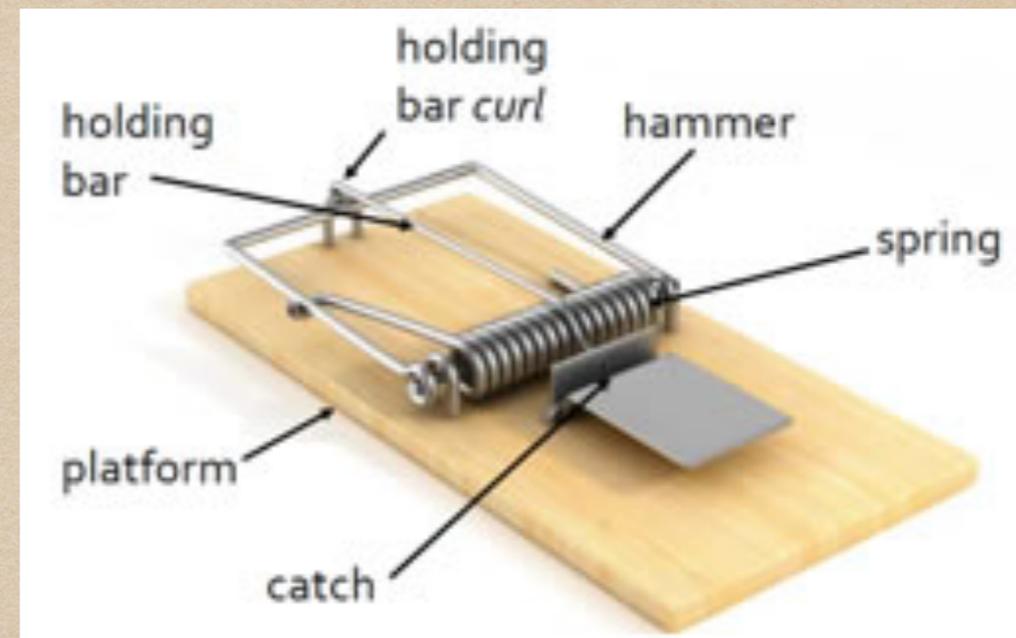
~Charles Darwin, *The Origin of Species*



# Irreducible Complexity

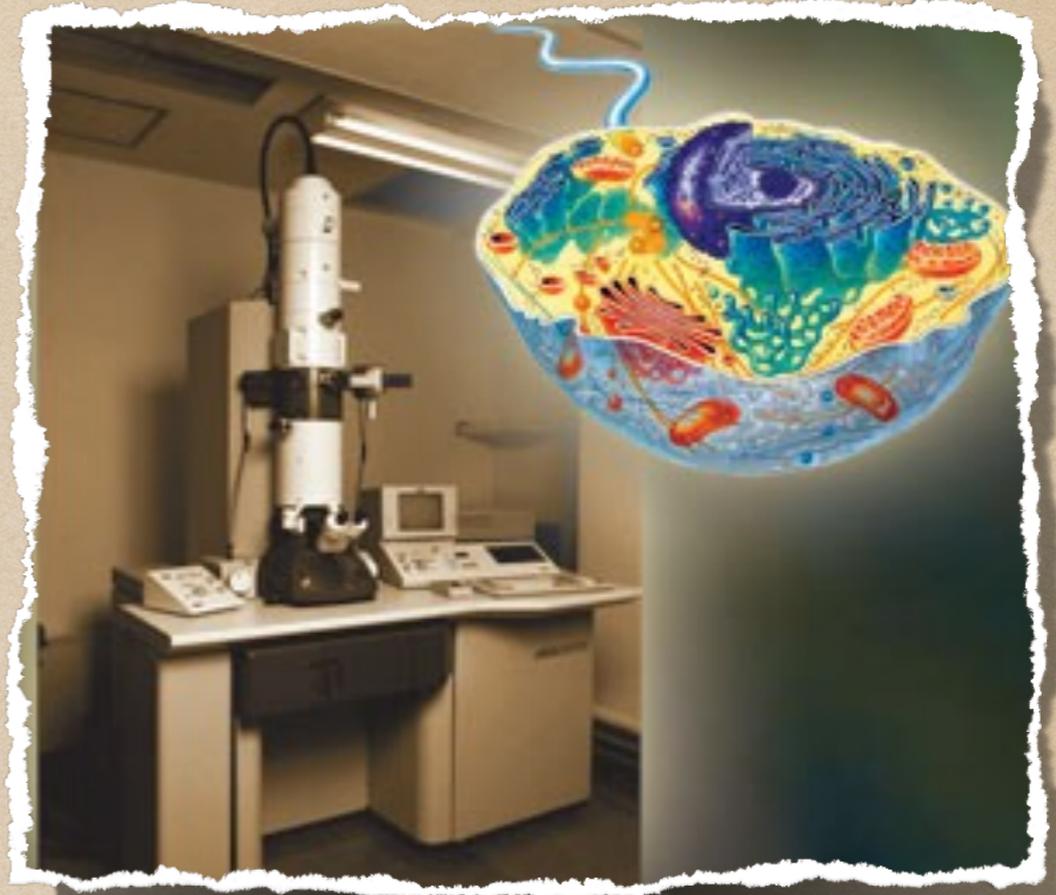
All parts are needed at the exact same time in order for the mechanism (biological or non biological) to work.

Remove one part and the organism does not work.



# Advancements in Technology





# Advancements in Technology

## The Microscope

# F1-ATPase enzyme

Contains nature's own rotary engine:

This tiny motor includes the equivalent of:

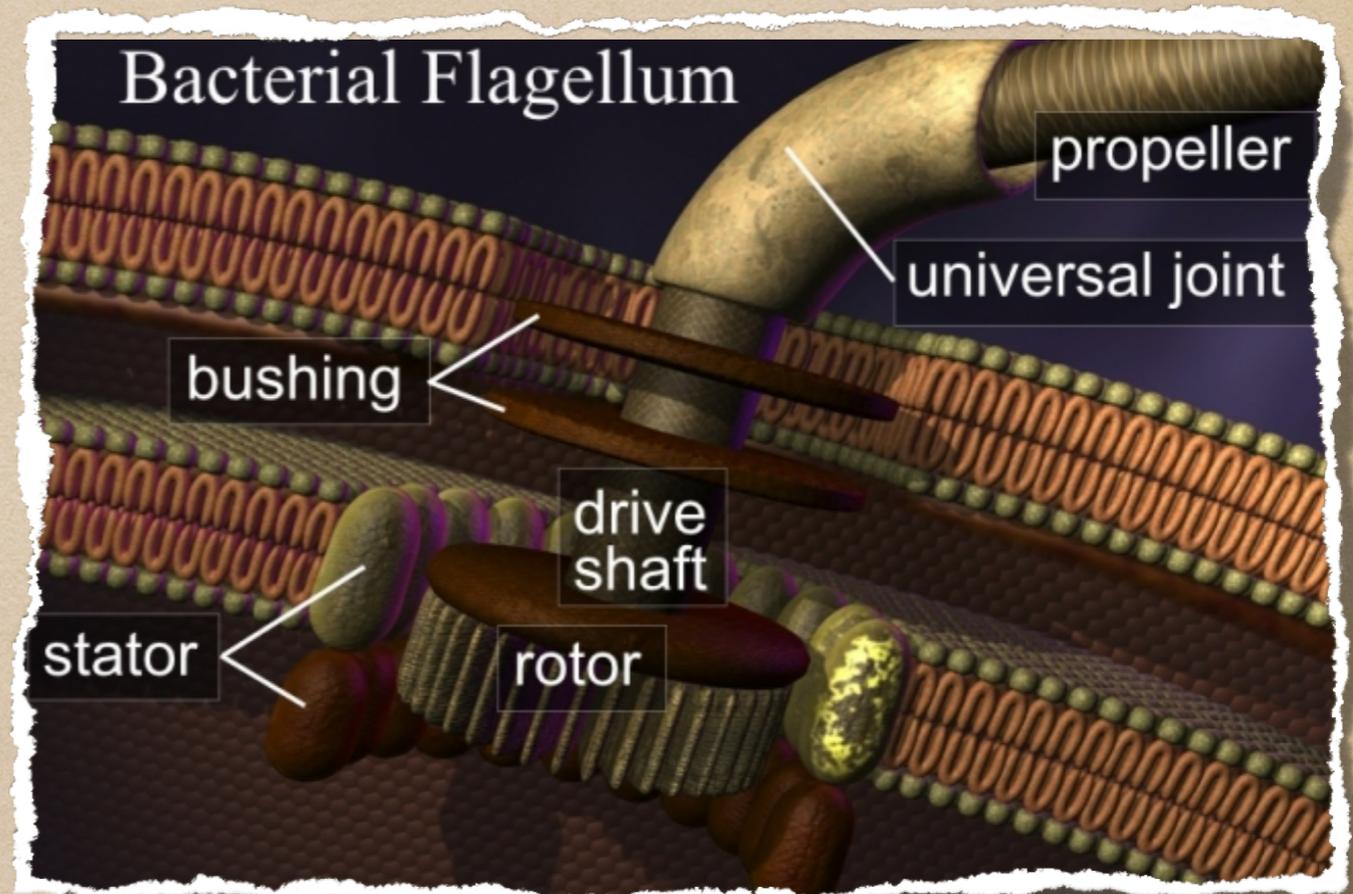
- an engine block
- a drive shaft
- three pistons.



# Bacterial Flagellum

The Flagellum is similar to a rotary engine designed by engineers.

The propeller is driven by a small motor and contains the parts that would be found in any rotary engine.



# Y Chromosomal Adam & Mitochondrial Eve

Mitochondrial DNA is passed from mothers to sons & daughters.

Y Chromosomes are passed from fathers to sons.



# Latest Scientific Research Shows:



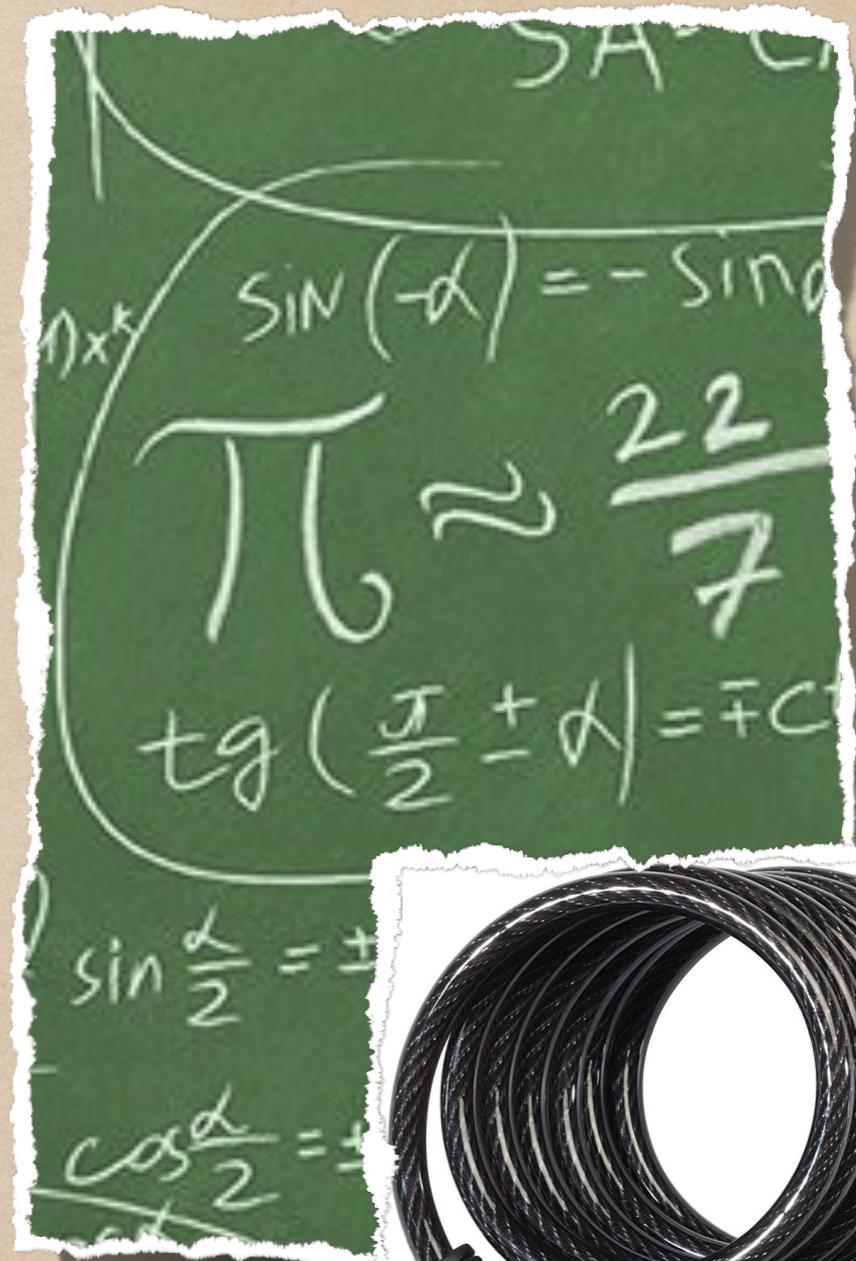
All humans came from two people!

# Finely-Tuned Planet

- Earth's placement
- Earth's angle
- Earth's speed



# Mathematics & Probability



# “Bicycle lock”

4 dial bicycle lock.

- 10,000 possible combinations.



# “Bicycle lock”

10 dial bicycle lock.

- Ten Billion possible combinations.



# Protein Forming Amino Acids

There are 20 possible protein-forming amino acids.

- In a chain of amino acids that is only 10 sites long, (which is 10 to the 20th power)

- There are 10 Trillion possibilities.

Amino Acids

Amino Acids

Phe Leu Ser Cys

Amino Acids

Alanine	Gln: Glutamine	Leu: Leucine	Ser: Serine
Arginine	Glu: Glutamic acid	Lys: Lysine	Thr: Threonine
Asparagine	Gly: Glycine	Met: Methionine	Trp: Tryptophan
Aspartic acid	His: Histidine	Phe: Phenylalanine	Tyr: Tyrosine
Cysteine	Ile: Isoleucine	Pro: Proline	Val: Valine

# Proteins in a Human Cell

- Most proteins, even modest or the shortest proteins, are made up of 100 to 150 amino acids.

- The average length proteins may be 300 to 400 amino acids.

A collage of images related to proteins. It includes a tangled black cable, a diagram of a protein chain with a callout for "Amino Acids", and a list of 20 amino acids with their abbreviations and full names.

Amino Acids

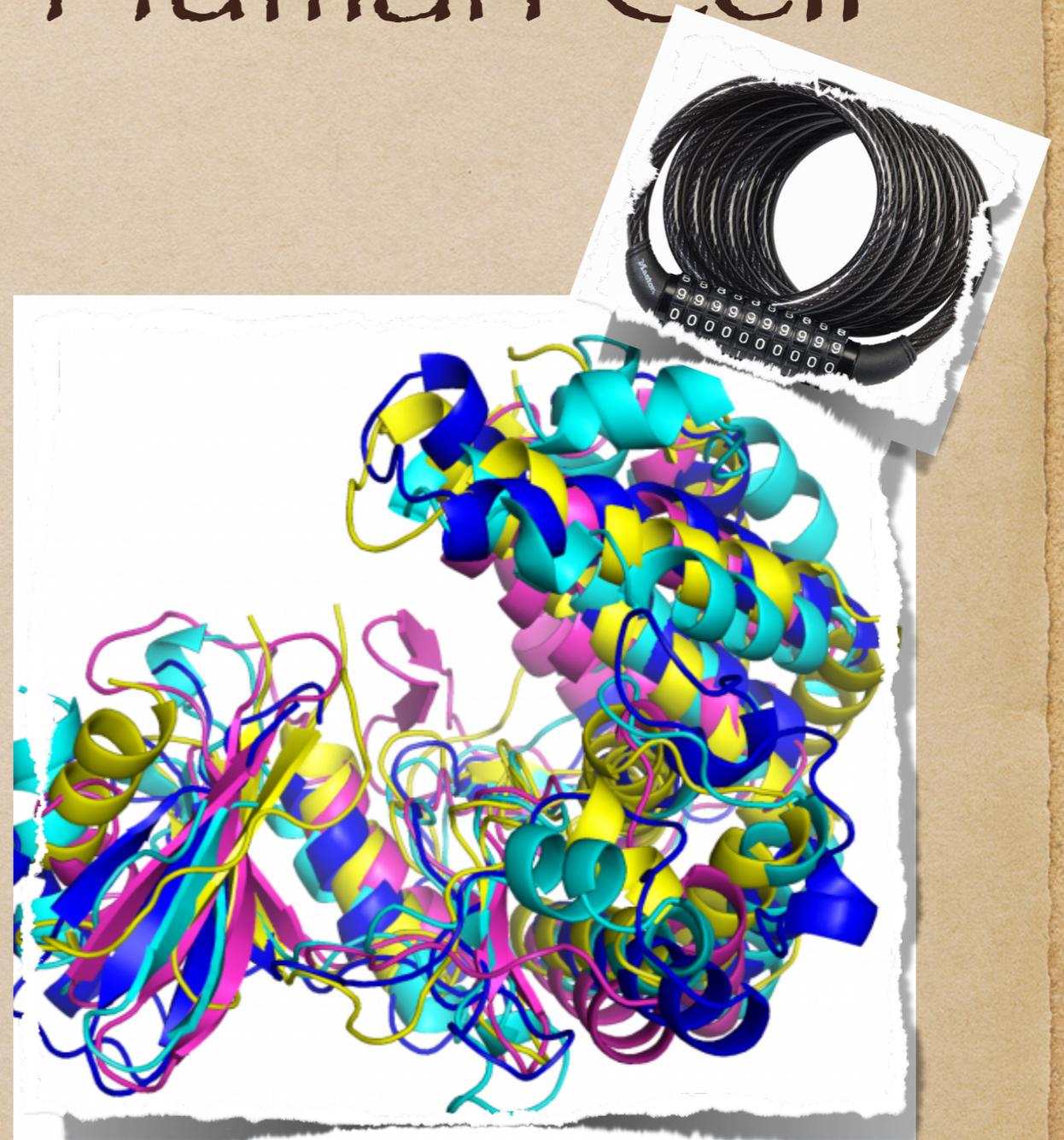
Amino Acids

Amino Acids

Alanine	Gln: Glutamine	Leu: Leucine	Ser: Serine
Arginine	Glu: Glutamic acid	Lys: Lysine	Thr: Threonine
Asparagine	Gly: Glycine	Met: Methionine	Trp: Tryptophan
Aspartic acid	His: Histidine	Phe: Phenylalanine	Tyr: Tyrosine
Cysteine	Ile: Isoleucine	Pro: Proline	Val: Valine

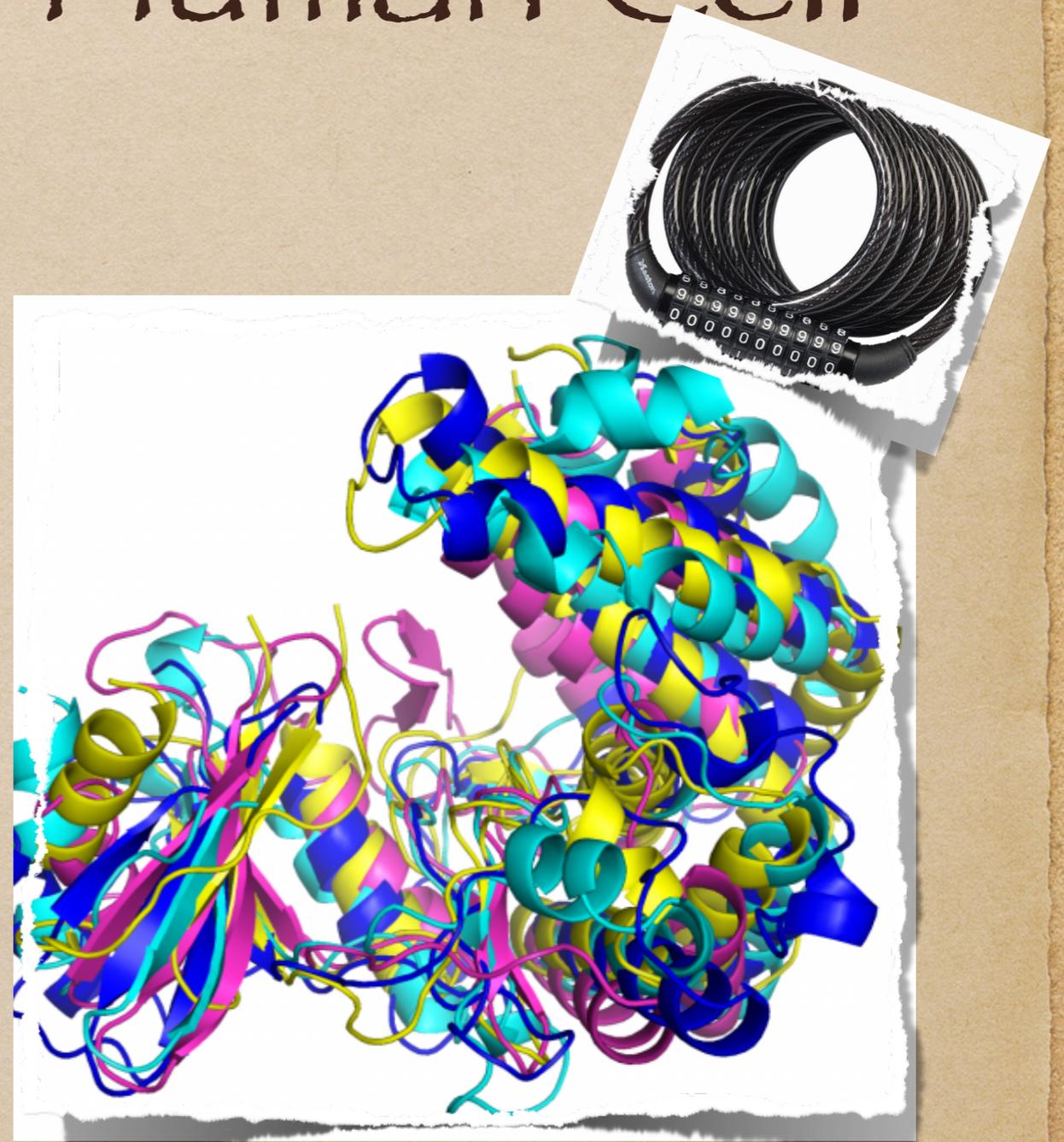
# Proteins in a Human Cell

- If there were 10 Trillion possibilities for a protein that is only 10 amino acids long
- But the average protein is 300 to 400 amino acids
- What would the amount of possibilities be? (HUGE!!!)



# Proteins in a Human Cell

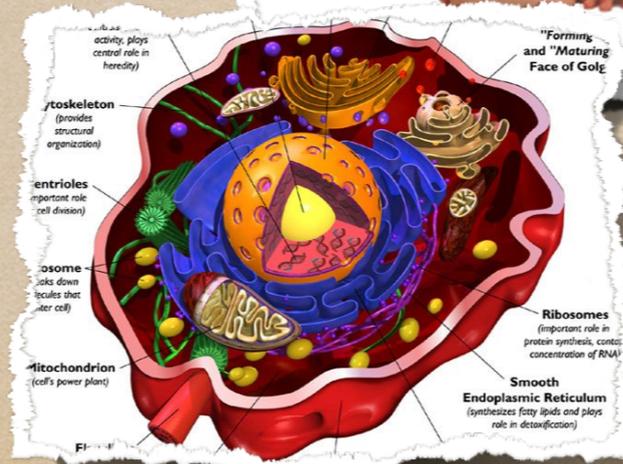
- A chance of finding a functional protein by chance is 10 to the 164th power)!!!
- These are the odds for just 1 protein, and it is believed to take between 250 to 400 proteins to produce a single cell.



# Cells in the Human Body

In a study conducted in October 2013, scientists estimated that there are 37.2 trillion cells in the human body.

## The Diversity of Cells in the Human Body



# Astronomy



# A Fine-Tuned Universe



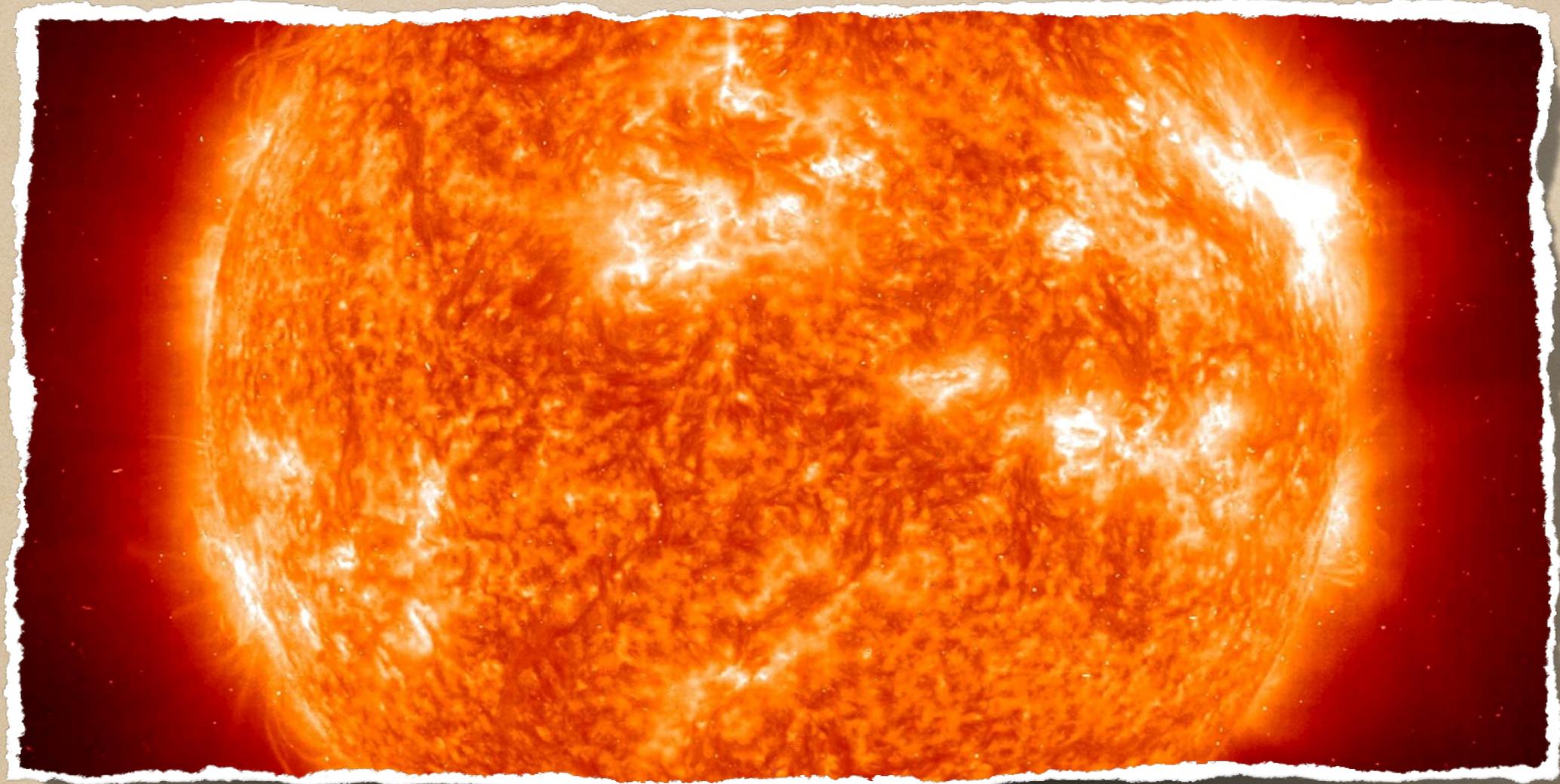
“... The motions which the planets now have could not spring from any natural cause alone but were impressed by an intelligent Agent” ~ Sir Isaac Newton

# A Fine-Tuned Universe



The other planets in our solar system also help to shield earth from these massive extraterrestrial flying objects that would otherwise destroy our planet.

# A Fine-Tuned Universe



The stability of our sun

# A Fine-Tuned Universe

‘I find it quite improbable that such order came out of chaos. There has to be some organizing principle. God to me is a mystery but is the explanation for the miracle of existence, why there is something instead of nothing.’” ~Allan Sandage



# Hubble & Einstein

Hubble's discovery: Red Shift

Galaxies are moving away from the earth, which is shown by a red light waves that they give off. The universe is expanding.



# Hubble & Einstein

Einstein's discovery.

Theory of General  
Relativity

The universe is expanding



If the universe had a beginning...



There had to be a  
“Cause”!



# Conclusion:

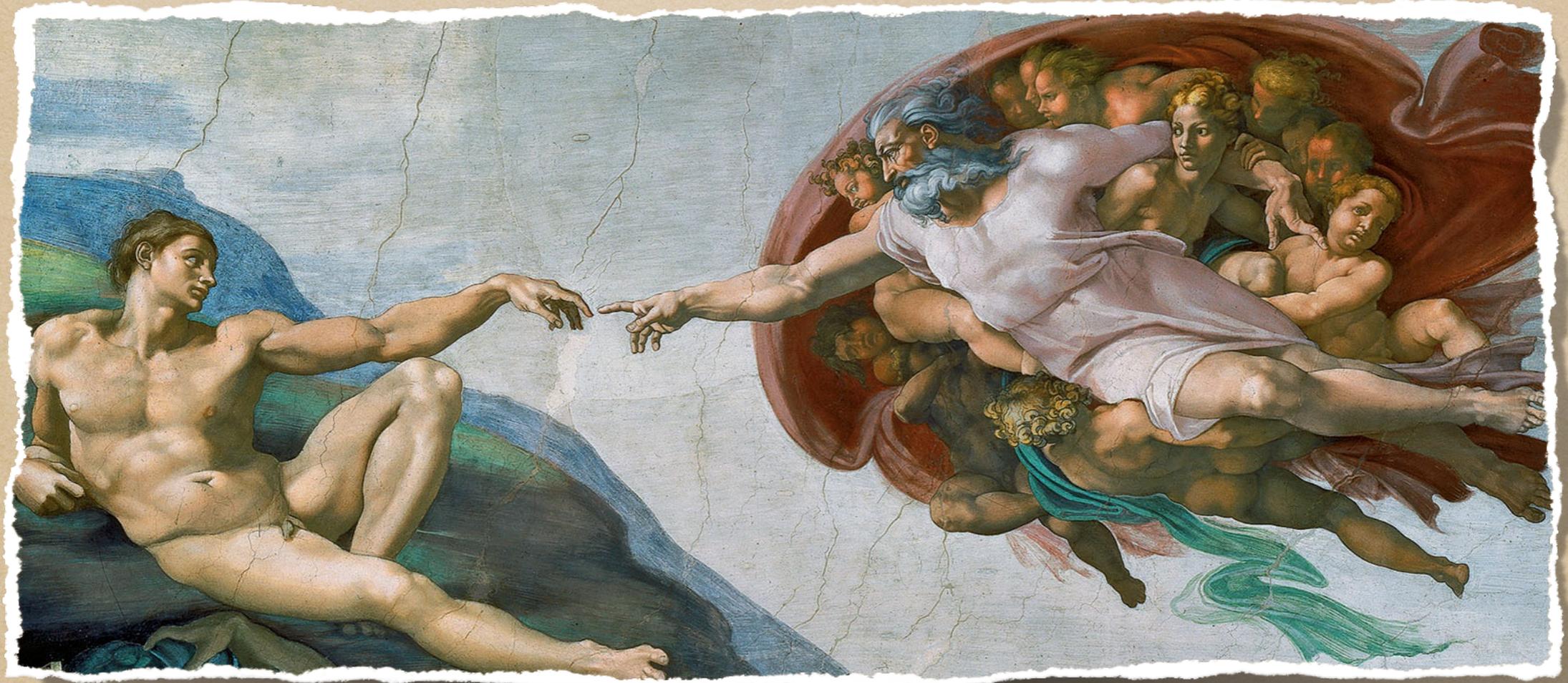
Philosophy

Physics

Biology & Earth Science

Mathematics and Probability

Astronomy



If there is a personal God  
We should expect communication from Him. Right?

# Four ways God has spoken to us

1. Through creation (General revelation)
2. Through our conscience (General revelation)
3. Through His Word (Special revelation)
4. Through His Son (Special revelation)

# A Created Universe!



When one looks up at the sky and observes the rotation of the planets it is hard to not compare the planetary rotations to machinery that was designed by a Designer.

Our Personal God:



Has spoken to us through his Creation



The heavens declare the glory of God; the skies  
proclaim the work of his hands. <sup>2</sup>Day after day  
they pour forth speech; night after night they  
reveal knowledge. <sup>3</sup>They have no speech, they  
use no words; no sound is heard from them. <sup>4</sup>Yet  
their voice goes out into all the earth, their  
words to the ends of the world.