




# BIOLOGY REVIEW

April 10, 2025



# Adaptation

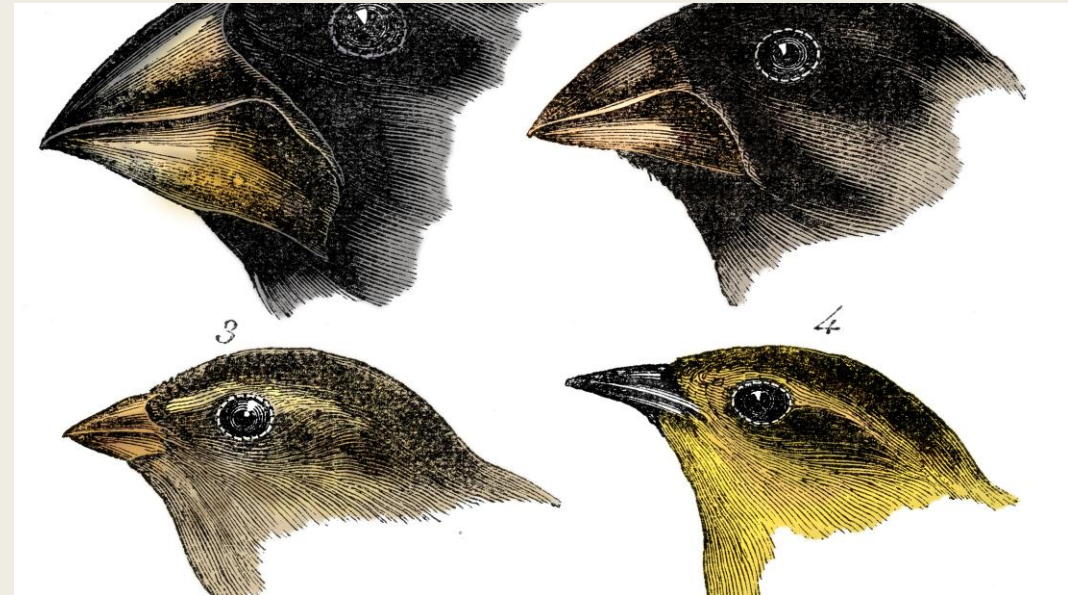
## Natural Selection

- Only those life forms best suited to survive and reproduce will tend to do so.



## Selective Breeding

- A guided process in which one is artificially selecting a beneficial trait



# Secular definition of evolution

- In essence, the modern theory of evolution is easy to grasp. It can be summarized in a single (albeit slightly long) sentence. Life on earth evolved gradually beginning with one primitive species- perhaps a self-replicating molecule- that lived more than 3.5 billion years ago; it then branched out over time, throwing off many new and diverse species; and the mechanism for most (but not all) evolutionary change is natural selection.
- -Dr. Jerry Coyne  
“Why Evolution is True”

# Macro and Micro evolution

- Microevolution: living things incorporate small, adaptive changes over time.
- Secularists believe microevolution explains macro-evolution
- Extrapolation is a key term
- Cyclical nature of micro evolution





# Peppered Moths



# Marxism

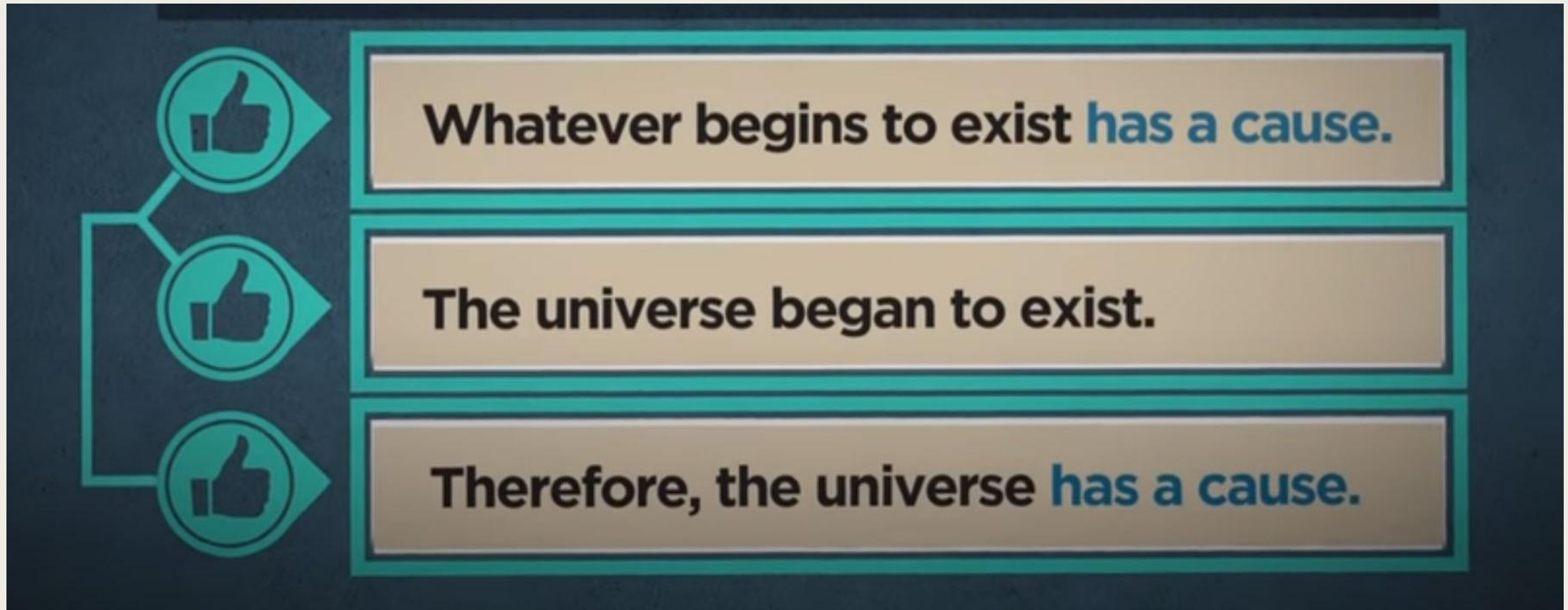
- Karl Marx believed Darwin's evolutionary theory justified his views of human society.
- If biological life evolved upward, perhaps sociological life does as well.
- Dialectical materialism: the clash between the thesis (bourgeoisie) and the anti-thesis (proletariat) results in a synthesis (a radical new government)

# How does pantheism answer the three questions?

- How did life begin?
- We have always been; our physical life is not important. Spirit has always existed

# The universe had a beginning

## A. cosmological argument



The universe had a beginning  
b. the principle of causality

- That which is finite and limited needs a cause

The world is uniquely designed for life (the anthropic principle)

A. Specified complexity

*A. All life is both specified and complex*

*B. There are three questions to ask regarding life.....*

The world is uniquely designed for life (the anthropic principle)

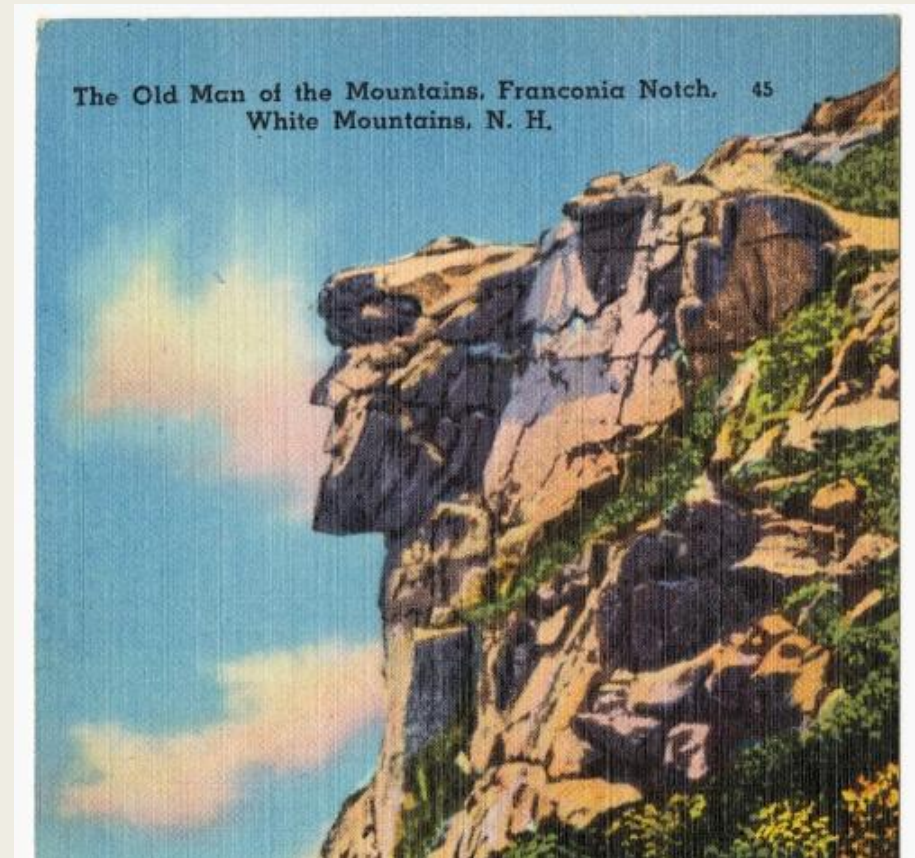
1. Could this have been produced by natural causes?
2. Is it highly improbable?
3. Does it contain specified complexity?

# Specified complexity

## Mount Rushmore



## Man in the Mountain



The world is uniquely designed for life (the anthropic principle)

A. Fine tuning of the universe

A. *The cosmological constant*

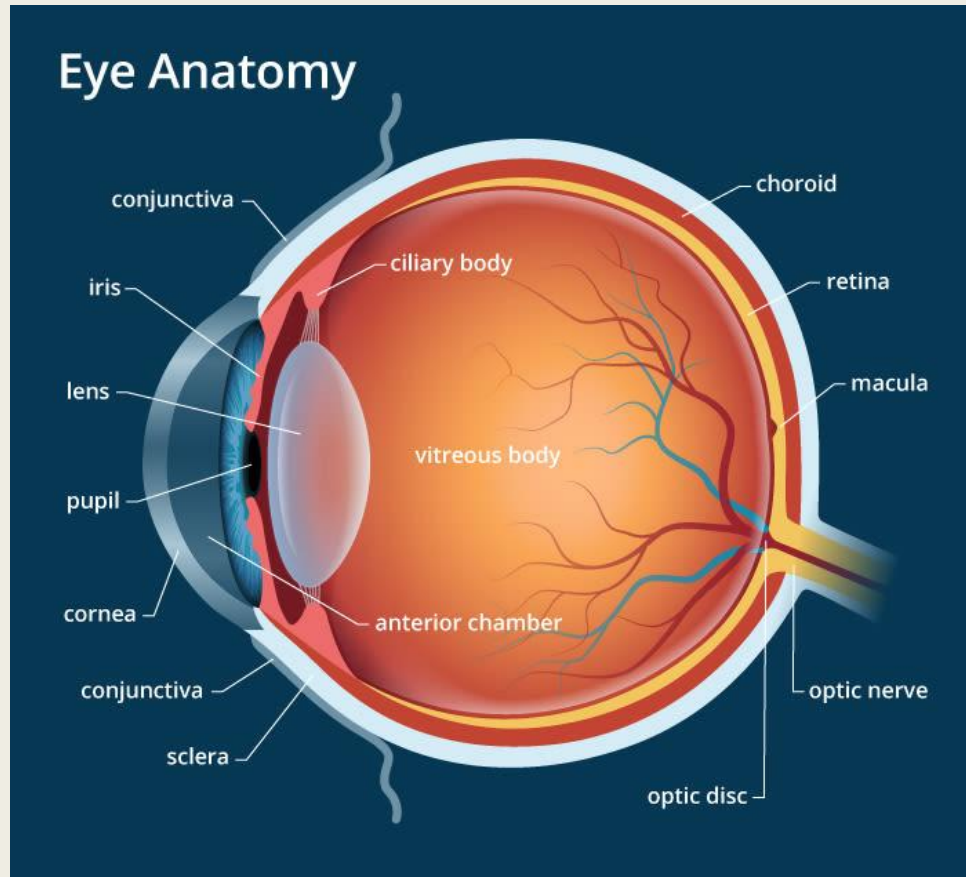
B. *There are 30 parameters that must be precise to have a life giving universe.*

# Most life is irreducibly complex

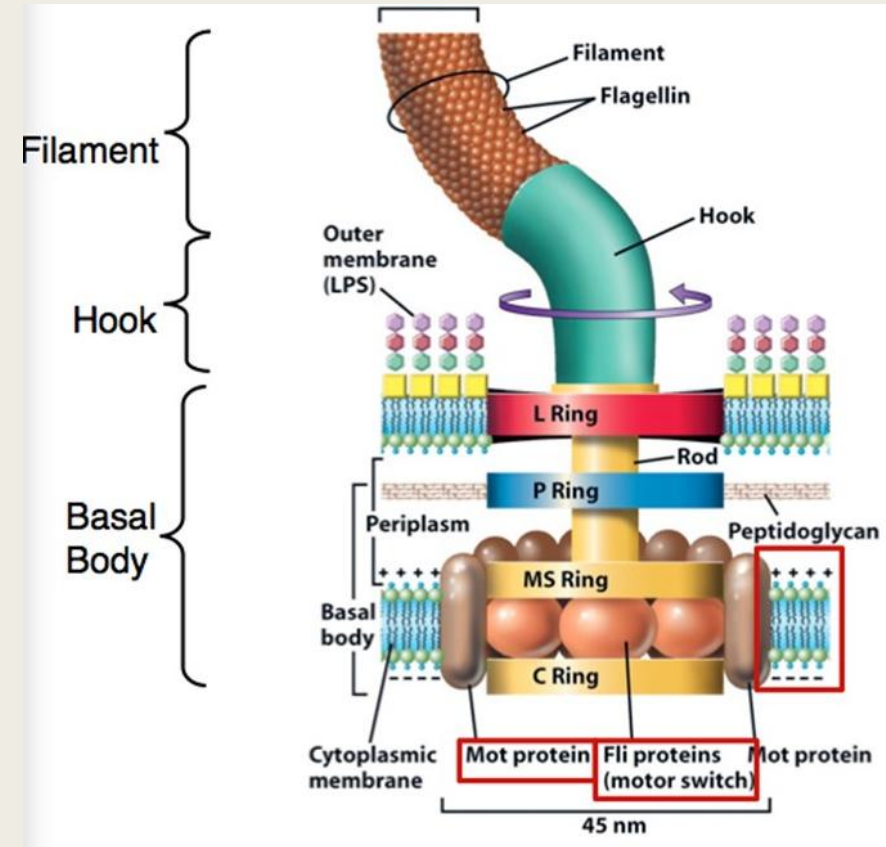
1. Most organs and biological processes contain multiple pieces that are all needed simultaneously to operate successfully.
2. Therefore, they cannot develop by adding or modifying one piece at a time.

# Irreducible complexity

## The Human Eye



## Bacterial Flagellum



Blood clotting shows irreducible complexity



# Life requires a vast amount of information

1. DNA is a sequence that is complex.
2. DNA corresponds to an independent pattern.
3. Books and computer codes are similar.
4. Similarly, DNA implies an intelligent source.

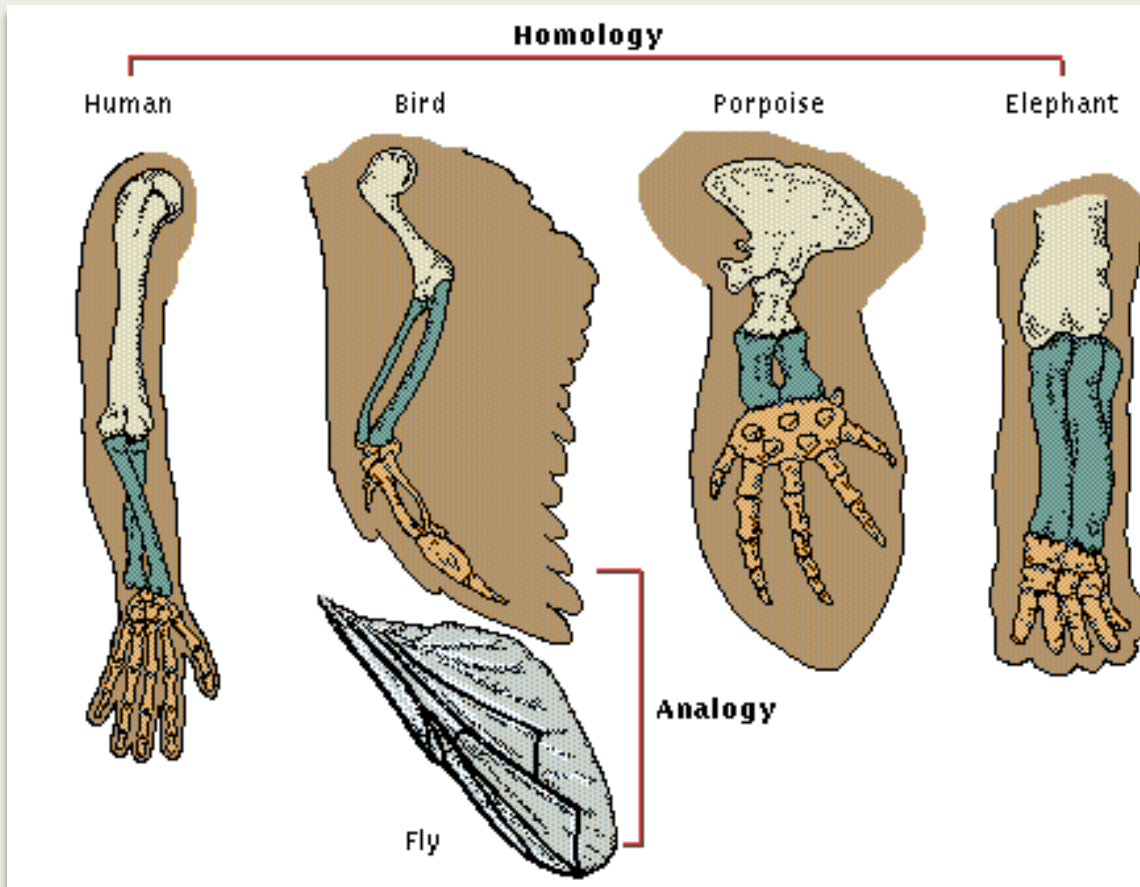
# Mind must come before matter

1. The ultimate power behind the universe had to be the mind and not matter.
2. John 1:1
3. There is an immaterial reality to our world.

# Christianity

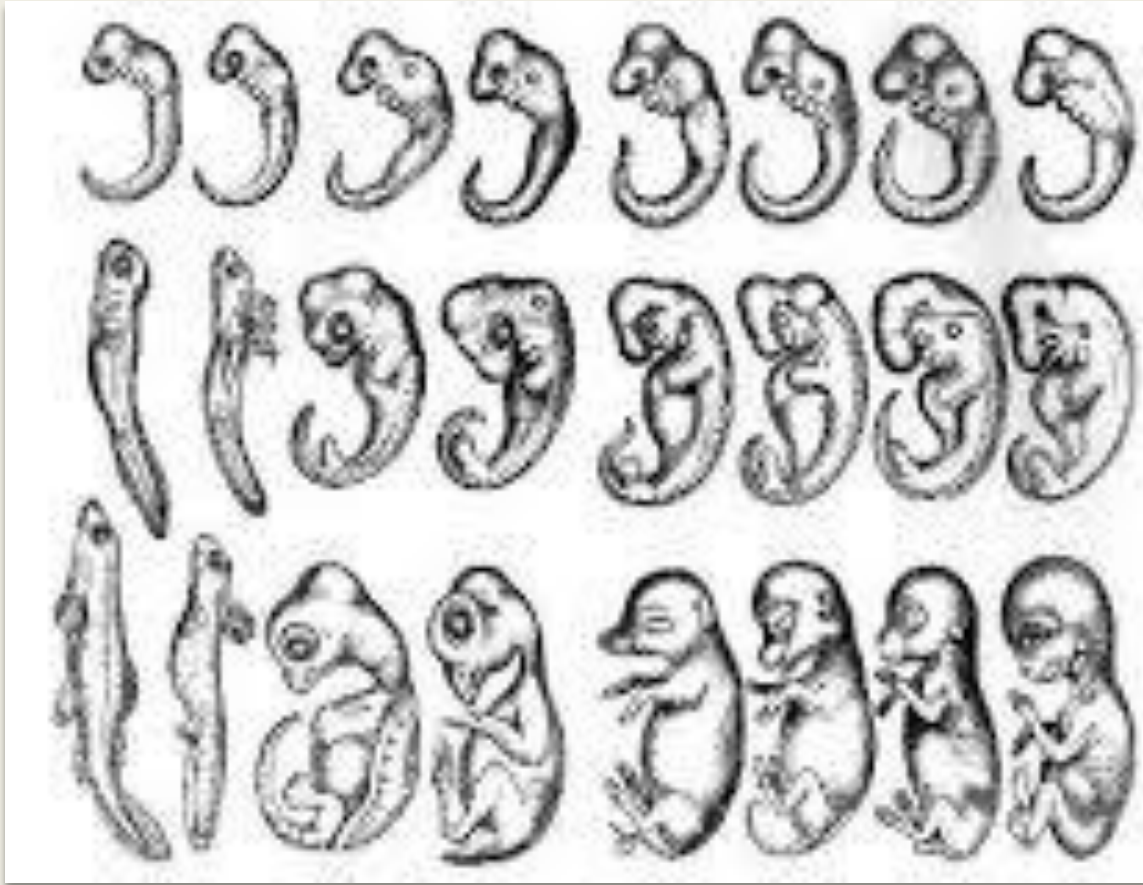
- What is life?
- We were created by a personal God who breathed life into us    Genesis 2:7
- How did life begin?
- Christianity affirms special creation. That at some point and on some level, life resulted from a creative act of God  
Col. 1:15-17

# Homology



- ▶ Similar structures could also indicate one designer using similar structures
- ▶ Example: Cars

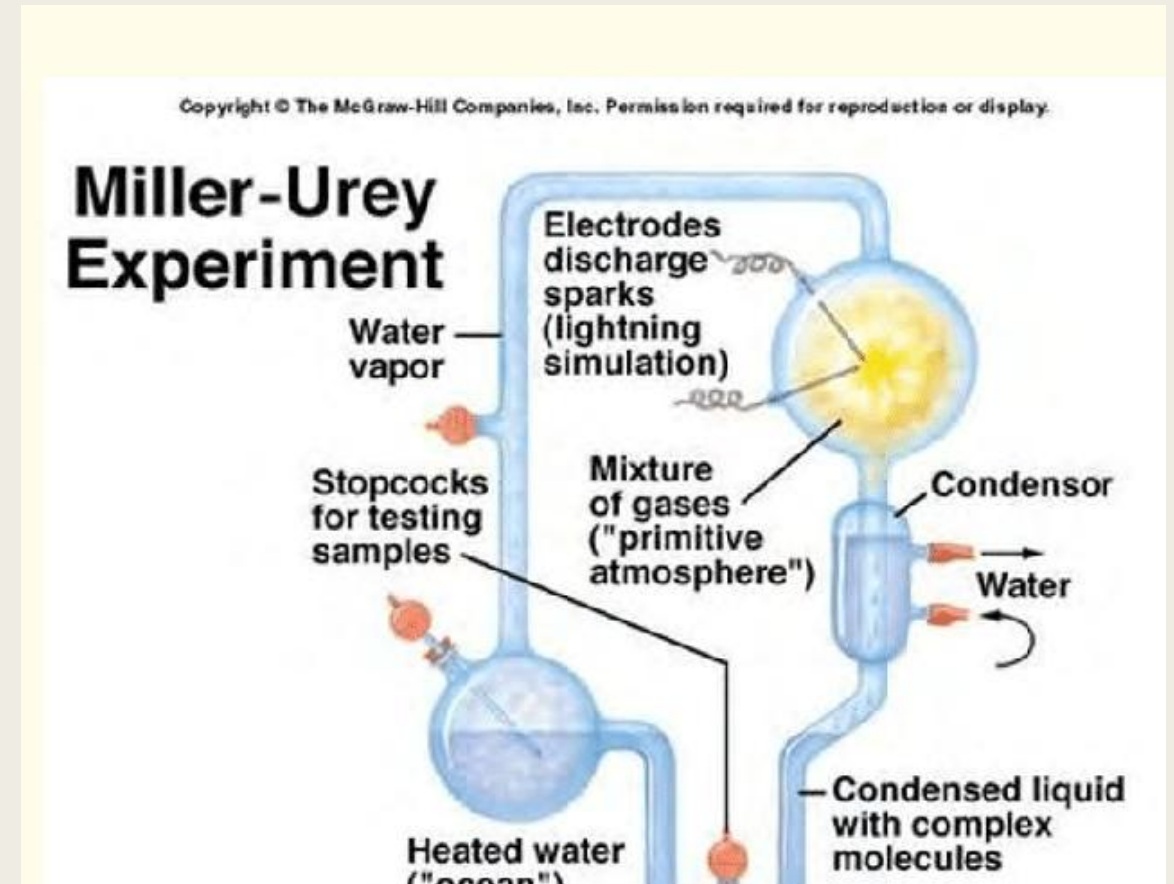
# Haeckel's embryos



► The embryo drawings were altered to more closely resemble each other.

# Miller-Urey

► It was a designed experiment and there was no evidence their “pre-biotic” soup ever existed. The early atmosphere was different than the gasses they used and amino acids are not life.



# Darwin's Tree of Life

► According to this idea; we should see major bodily differences at the ends of a long evolutionary process., However, we see the Cambrian explosion at an earlier stage.

