

Science

&

The Case for God

(part 3: The Origin of Life)

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The text in this presentation

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*Recommended
Reading*

There is A God

(How an

Atheist Scientist

changed his mind)



John M. Kinson

Does Science Point to God?

(Is there scientific evidence for God?)

God & Science – Book 2



John M. Kinson

Inexpensive (\$3.99) Kindle Books → [Amazon.com](https://www.amazon.com)

Introduction

(part 3: The Origin of Life)

Introduction

Does Science Point to God?

- Increasing amounts of evidence from Science are pointing towards Intelligent Design of our universe
- This is consistent with the existence of God
- Increasing numbers of scientists and philosophers are coming to this conclusion based on the evidence
- This series of presentations discusses some of the evidence

Part 1

(in part 1, we saw that ..)

The Big Bang points to God

Very unexpected for Atheism

What about Christian Theism ?

Genesis – In the Beginning God created the universe... And he said “let there be light” and there was light...

Part 2

(in part 2, we saw that ..)

The Fine-Tuning of the Universe points to God

Very unexpected for Atheism

But not very surprising
if God exists
& created the universe.

Intelligent Design shows its presence
by specified events of very low probability.

Part 3

A Cosmic Microwave Background (CMB) radiation map showing temperature fluctuations across the universe. The colors range from dark blue (cooler) to red and yellow (warmer), with a central bright yellow/white region representing the highest temperatures.

The Big Bang

Fine-Tuning the Universe

Origin of Life

A Universe Designed for Life

“All the evidence available in the biological sciences supports the core proposition of traditional natural theology–

- that the cosmos is a specially designed whole
- with life and mankind as its fundamental goal and purpose,

- a whole in which all facets of reality, from the size of galaxies to the thermal capacity of water, have their meaning and explanation in this central fact.”

- Michael Denton (agnostic Biochemist)
- Nature’s Destiny, p. 389

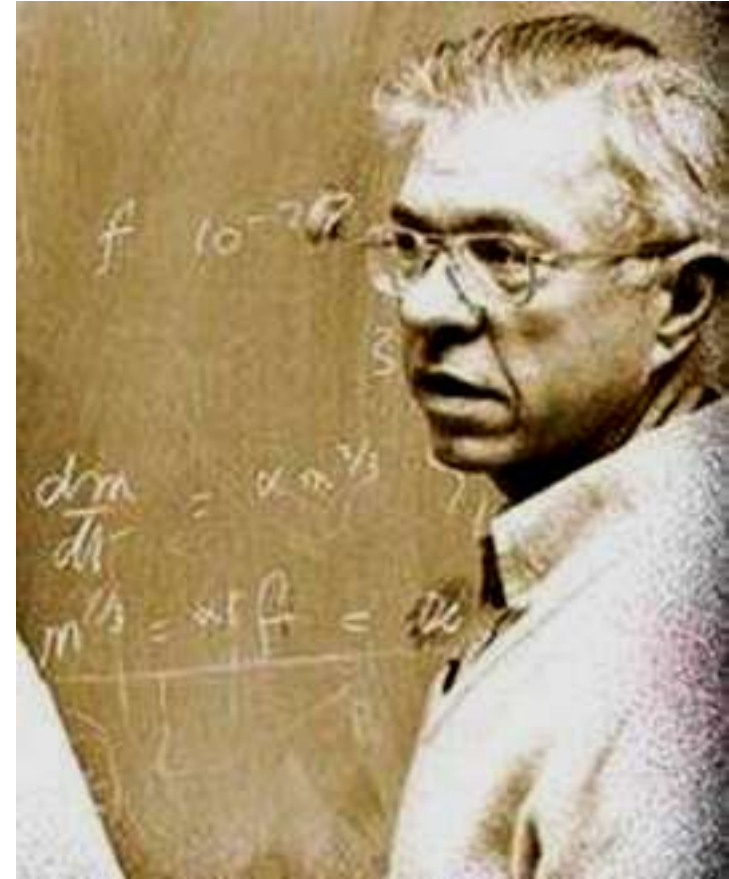


A Universe Designed for Life

A common sense interpretation of the facts suggests that a **superintellect has monkeyed with physics**, as well as with chemistry and **biology**, and that there are no blind forces worth speaking about in nature.

The numbers one calculates from the facts seem to me so overwhelming as to put this conclusion almost beyond question.

(Fred Hoyle, Astrophysicist)



Origin of Life

> 250 dials

- Have to be precisely set
- for Origin of Life

If even 1 dial
is off a tiny bit

- Kaput
- No life

Probability

- by Random Chance
- **ZERO**



What do you need to create Life

- **A huge amount of information (instruction manuals, books, library)**

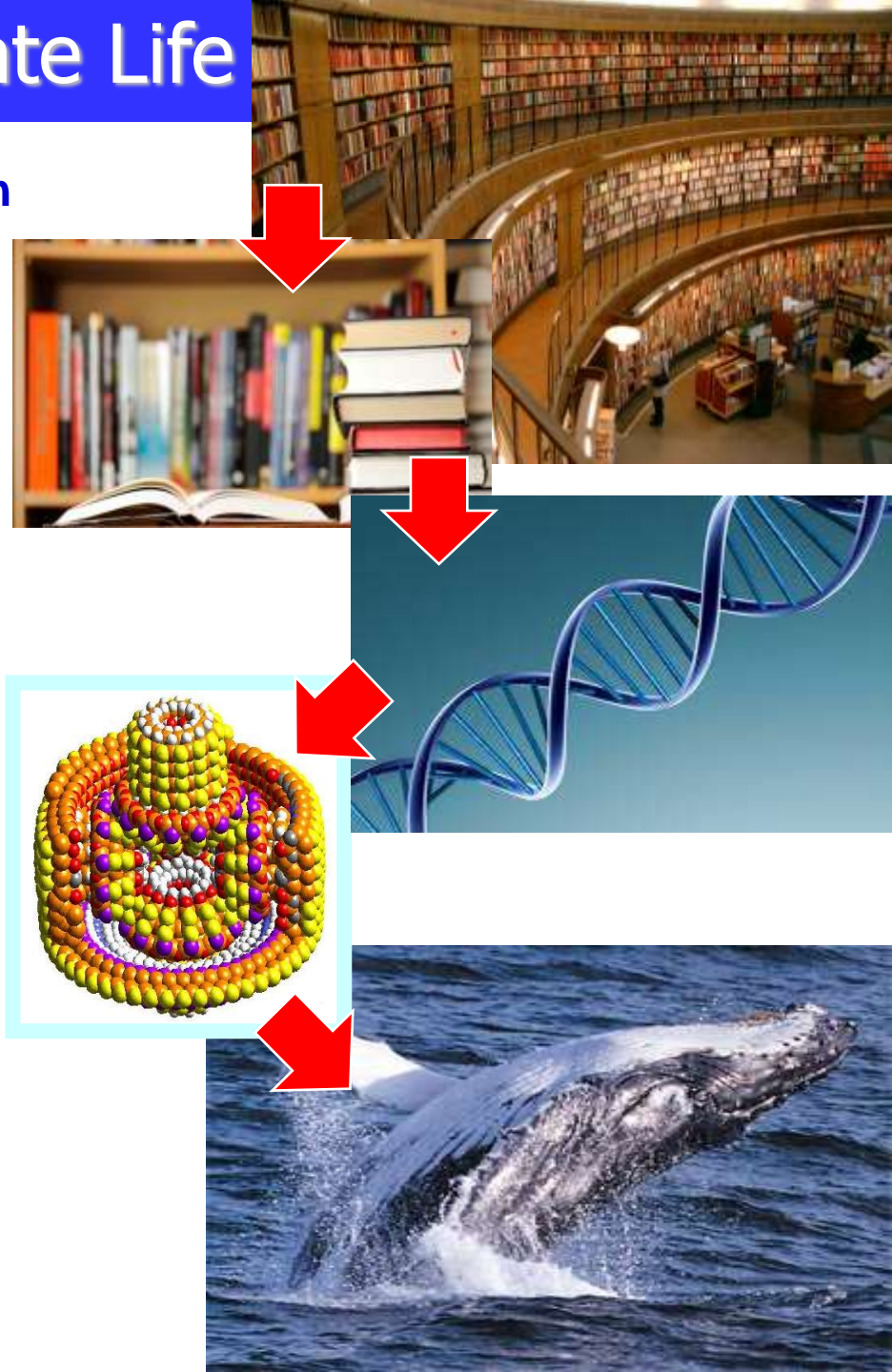
- Instructions to build nano-machines → Genes (to build proteins)
- Instructions for the nano-machines to build larger machines → non-protein-coding DNA (to instruct proteins to form cells, tissues, organs etc)

- **Information storage systems** → DNA

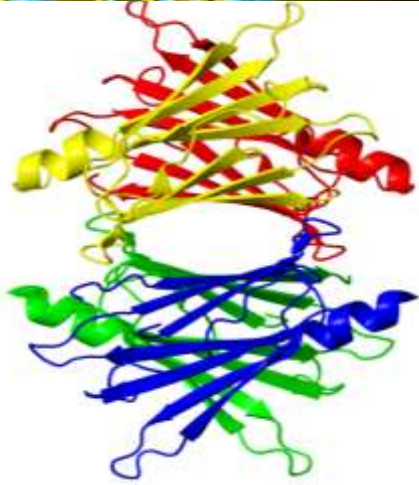
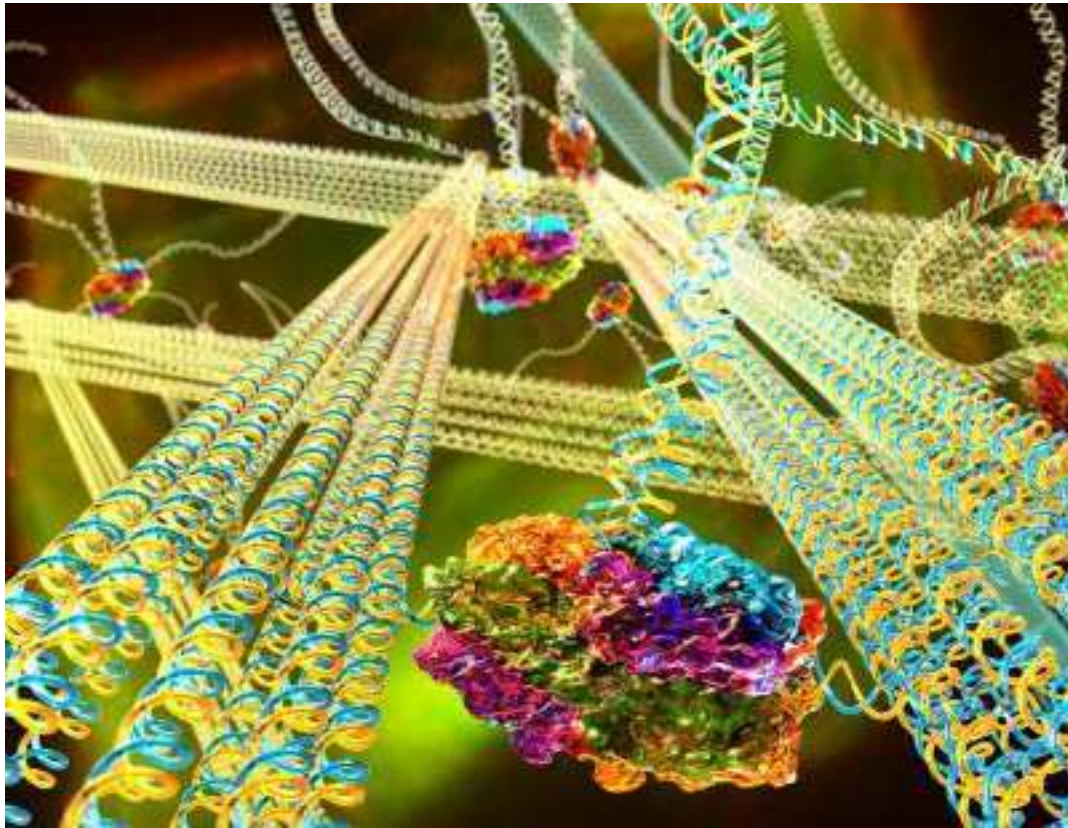
- **Language (or languages)** → [DNA], [proteins]

- **Language Translators** → Ribosomes

- **Nano-machines to work on the info to physically fabricate the creature** → proteins

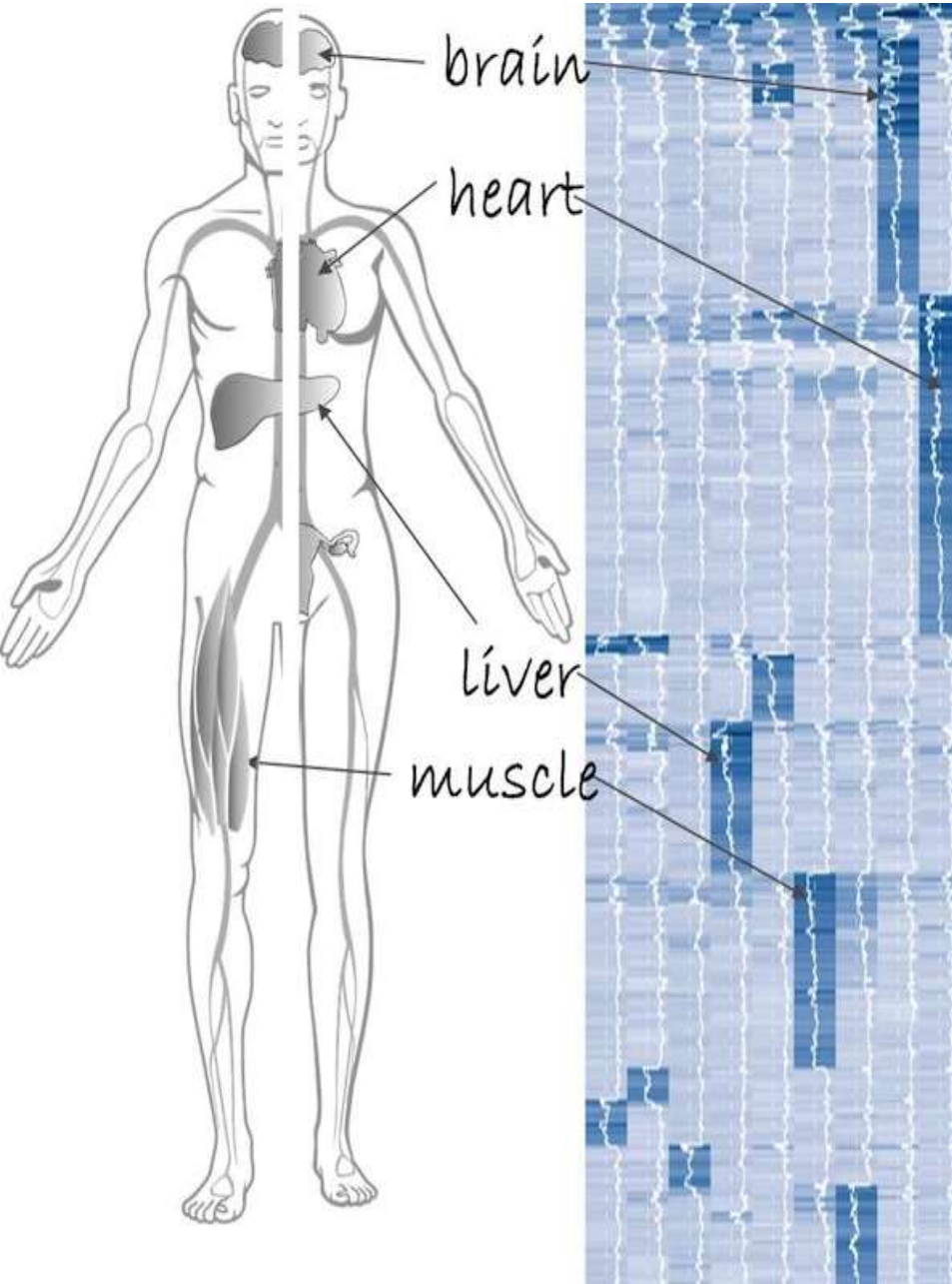


Proteins → Complex Nanomolecular-Machines needed for life



- **catalyze** biochemical reactions, e.g. enzymes;
- act as **messengers**, e.g. neurotransmitters;
- Act as **control elements** that regulate cell reproduction;
- **influence growth** and development of various tissues, e.g. trophic factors;
- **Transport oxygen** in the blood, e.g. hemoglobin; and
- **defend** the body against disease, e.g. antibodies.

Simplest Self-Replicator → 250 genes/proteins



Human body

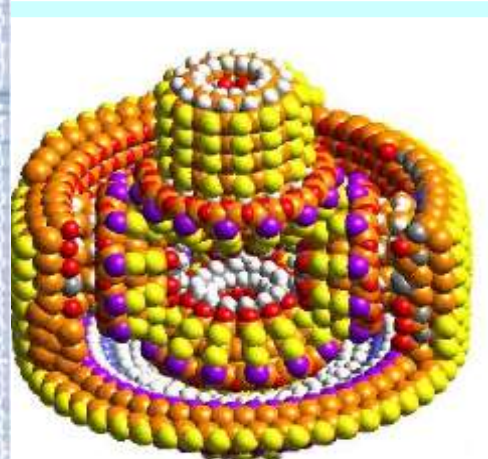
- 20,000 genes (code for proteins)
- ~100,000 different proteins
- 3 billion DNA base-pairs

Simplest animal cell

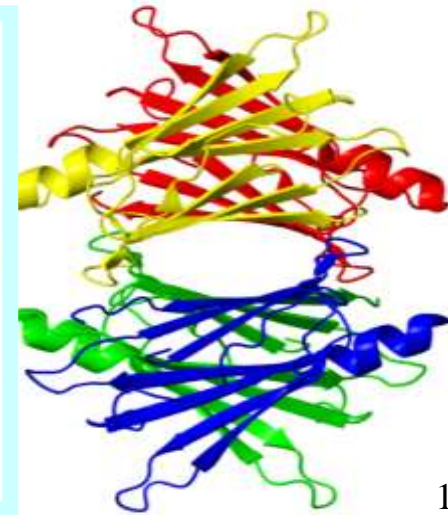
- > 2000 proteins

Simplest self-replicator

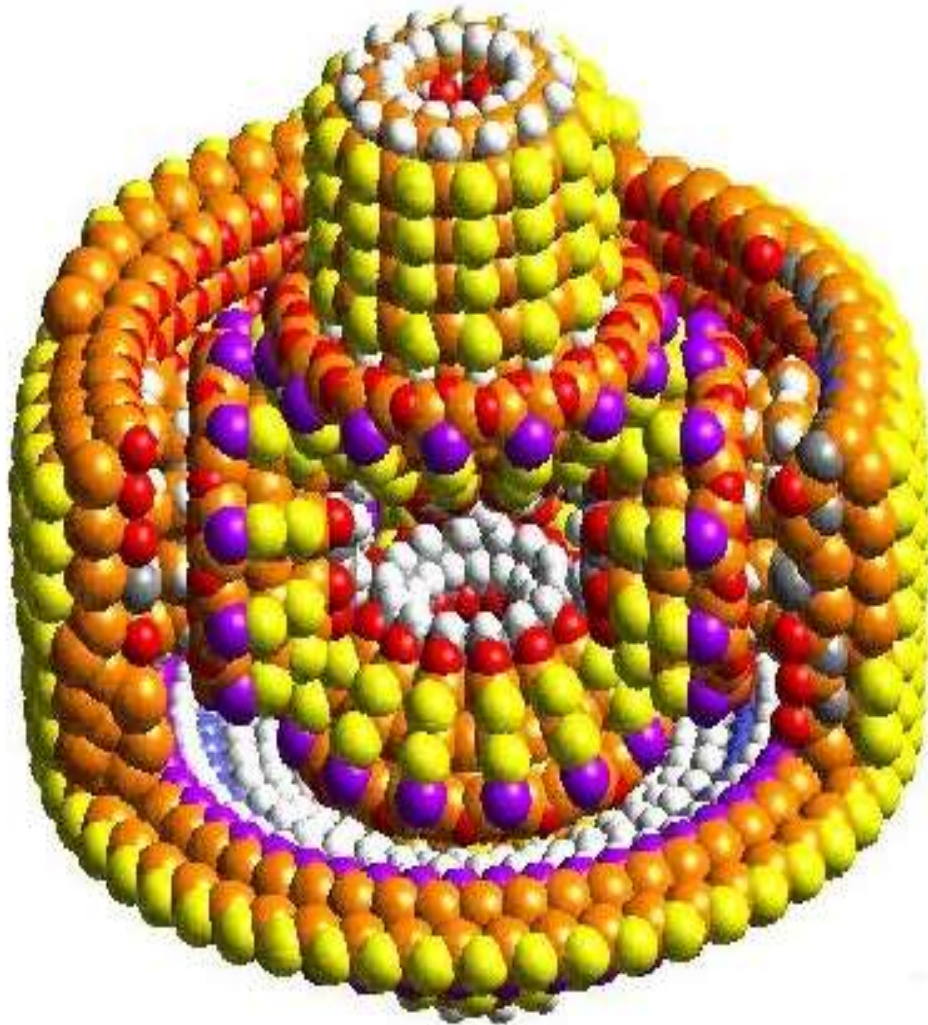
- 250 genes
- At least 250 proteins



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Proteins → very specific shapes (machines)

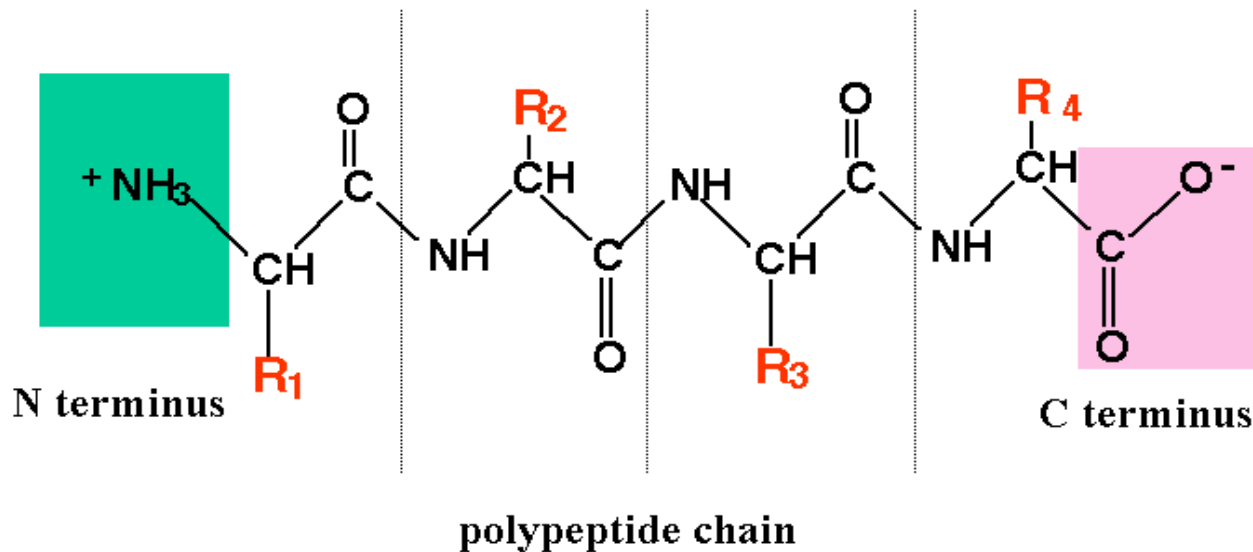


- Proteins
 - Are made of amino acids, but
- Proteins
 - Have **very specific shapes**
 - Which give them functionality
- A random chain of amino acids
 - Will NOT form a protein



Linking Amino-acids does NOT automatically make Proteins

Peptide = chain of amino acids



Average
human
protein has
480 amino-
acids

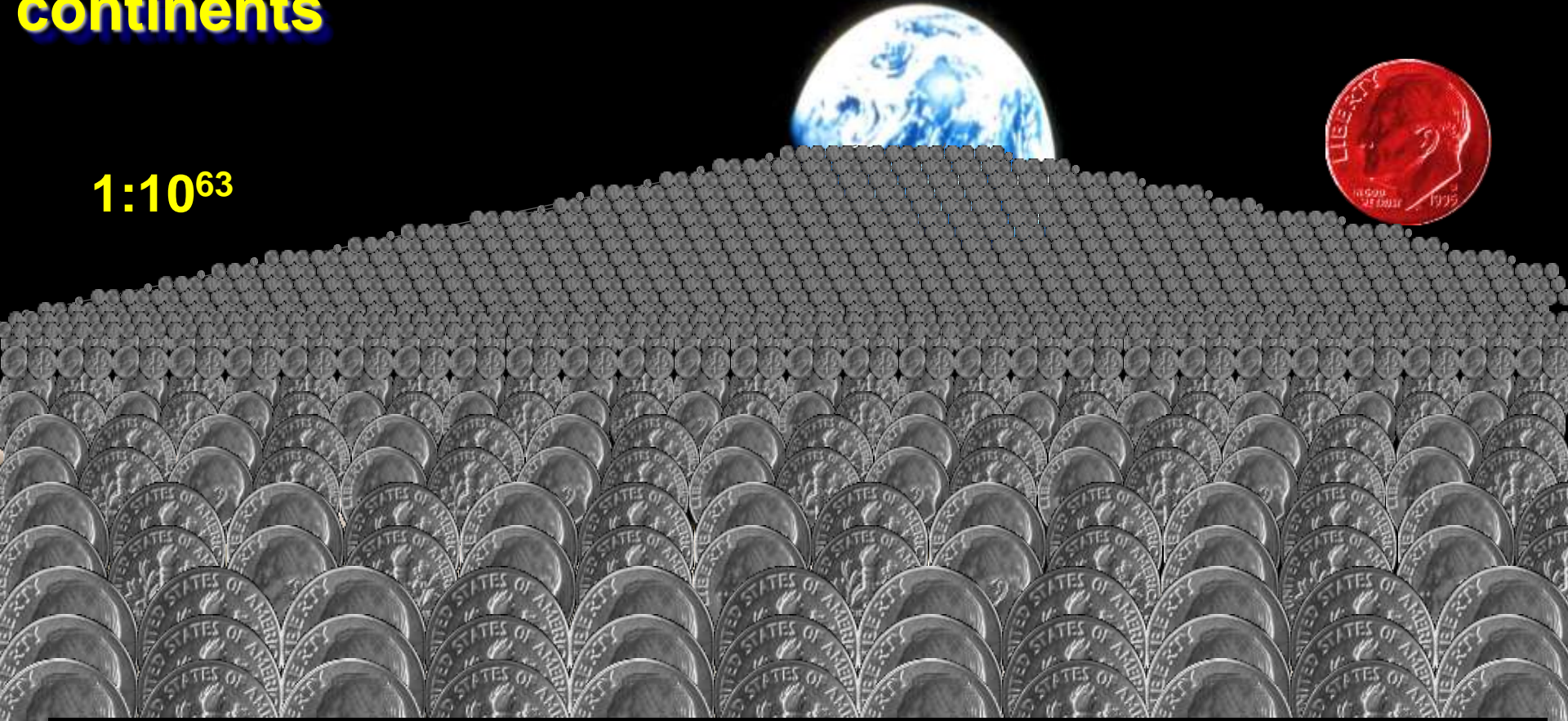
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Median Eukaryote
protein 361 AA
Bacteria 267 AA
Archaea 247 AA

Only **~ 1 in 10^{63}** poly-peptides can fold into a functional protein
(for 92 amino-acid poly-peptides)

Only ~ 1 in 10^{77} poly-peptides can fold into a functional protein
(for 150 amino-acid poly-peptides)

To form a 92-Amino-Acid protein → 10 million billion continents

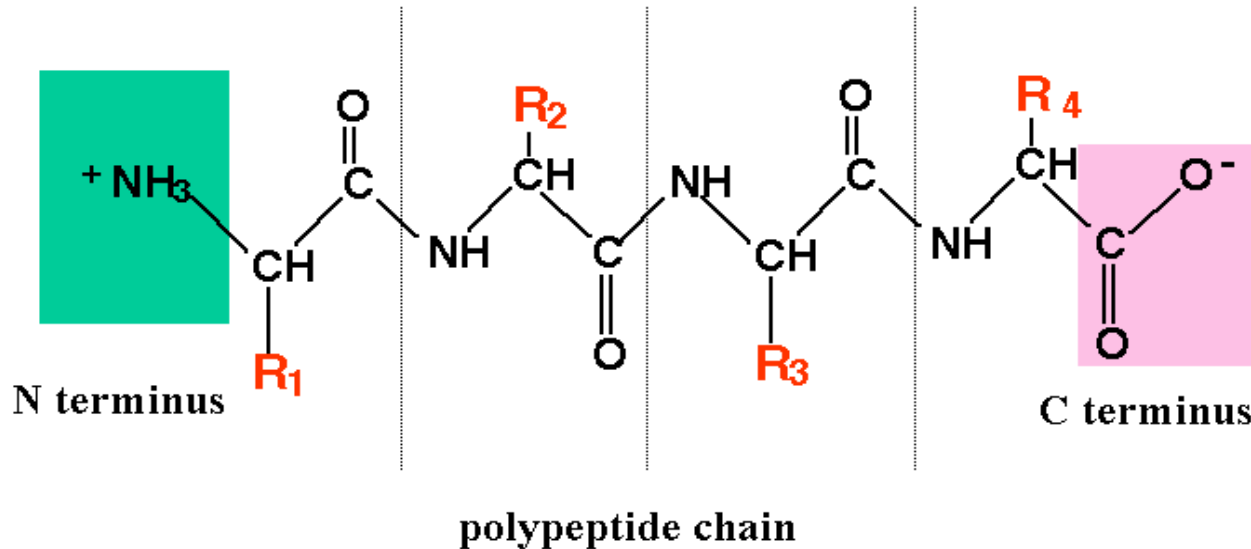
1:10⁶³



- Cover NorthAm with dimes to the moon, 239k mi
- Cover 10 million billion such continents with dimes.
- Hide 1 red dime in the middle of one of these continents.
- Get blind-folded friend to pick one dime at random.

To form a small 150 amino-acid protein (avg human protein 480 AA)

Peptide = chain of amino acids



Average
human
protein has
480 amino-
acids

--
Median Eukaryote
protein 361 AA
Bacteria 267 AA
Archaea 247 AA

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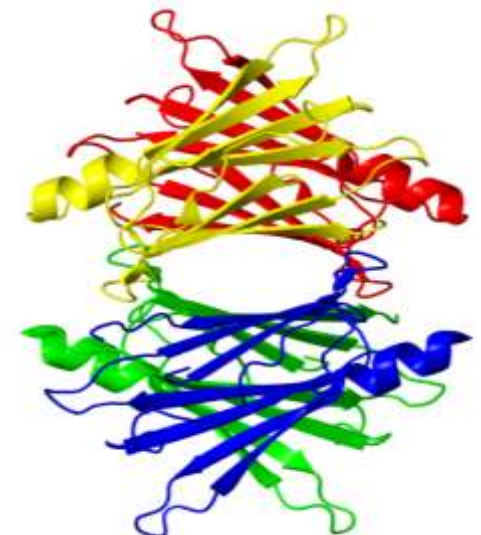
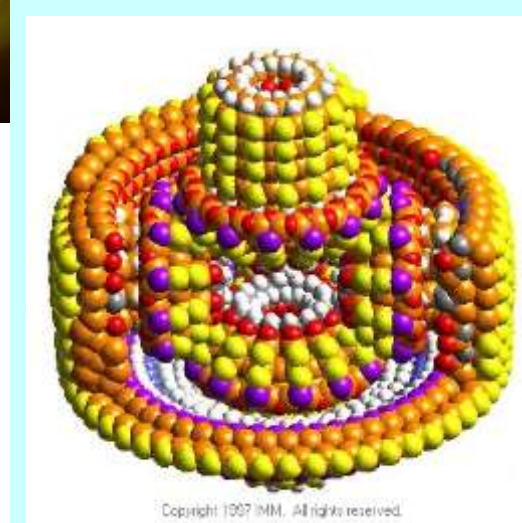
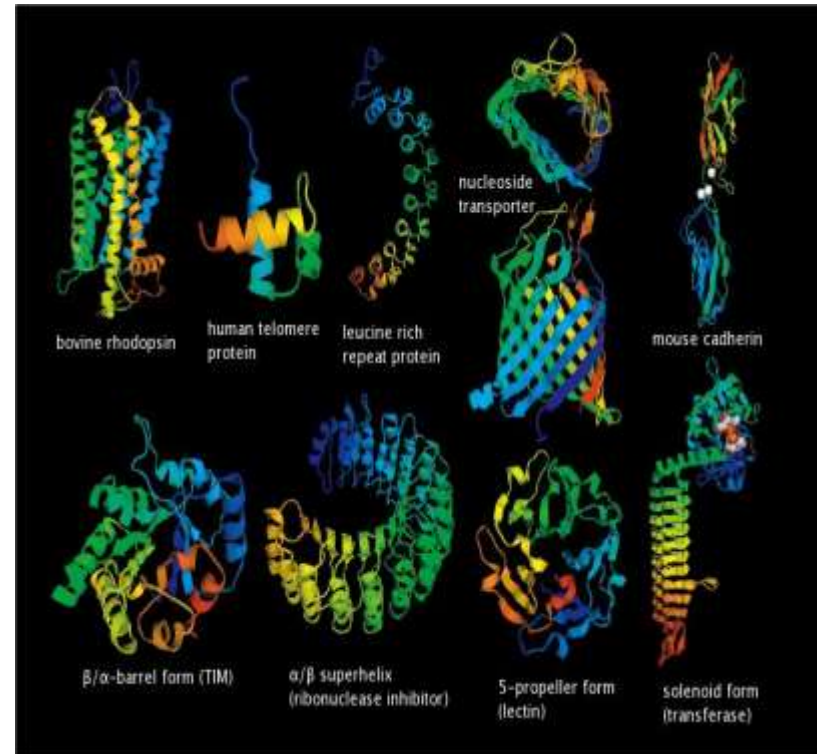
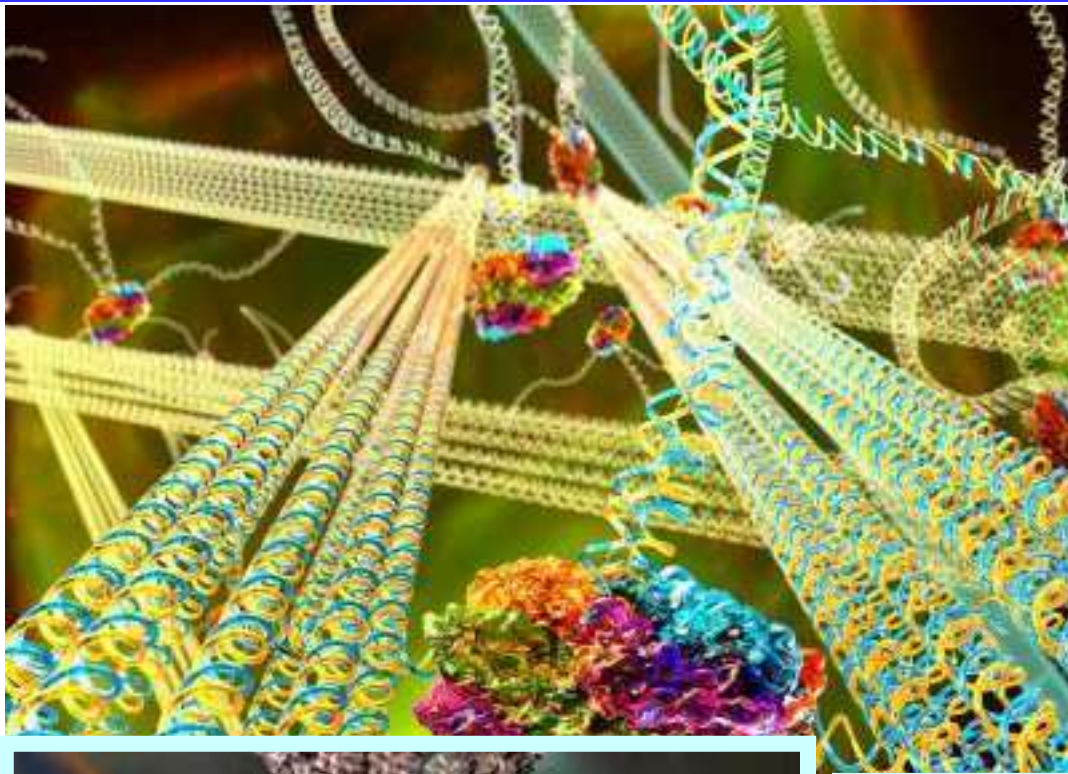
To form a 150-Amino-Acid protein → 1000 billion billion billion continents

1:10⁷⁷



- Cover NorthAm with dimes to the moon, 239k mi
- Cover 1000 billion billion billion such continents with dimes.
- Hide 1 red dime in the middle of one of these continents.
- Get blind-folded friend to pick one dime at random (out of one the continents at random)

Proteins → Complex Nano-Machines



Formation of Very Simple Protein (10^{-20})

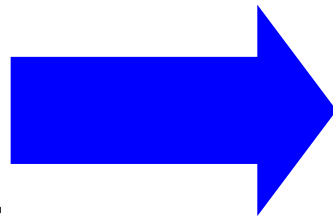
Scientists

Fred Hoyle, CW

**Probability – simple protein
by Random Chance (10^{-20})**

- 0.00000 00000
00000 00001

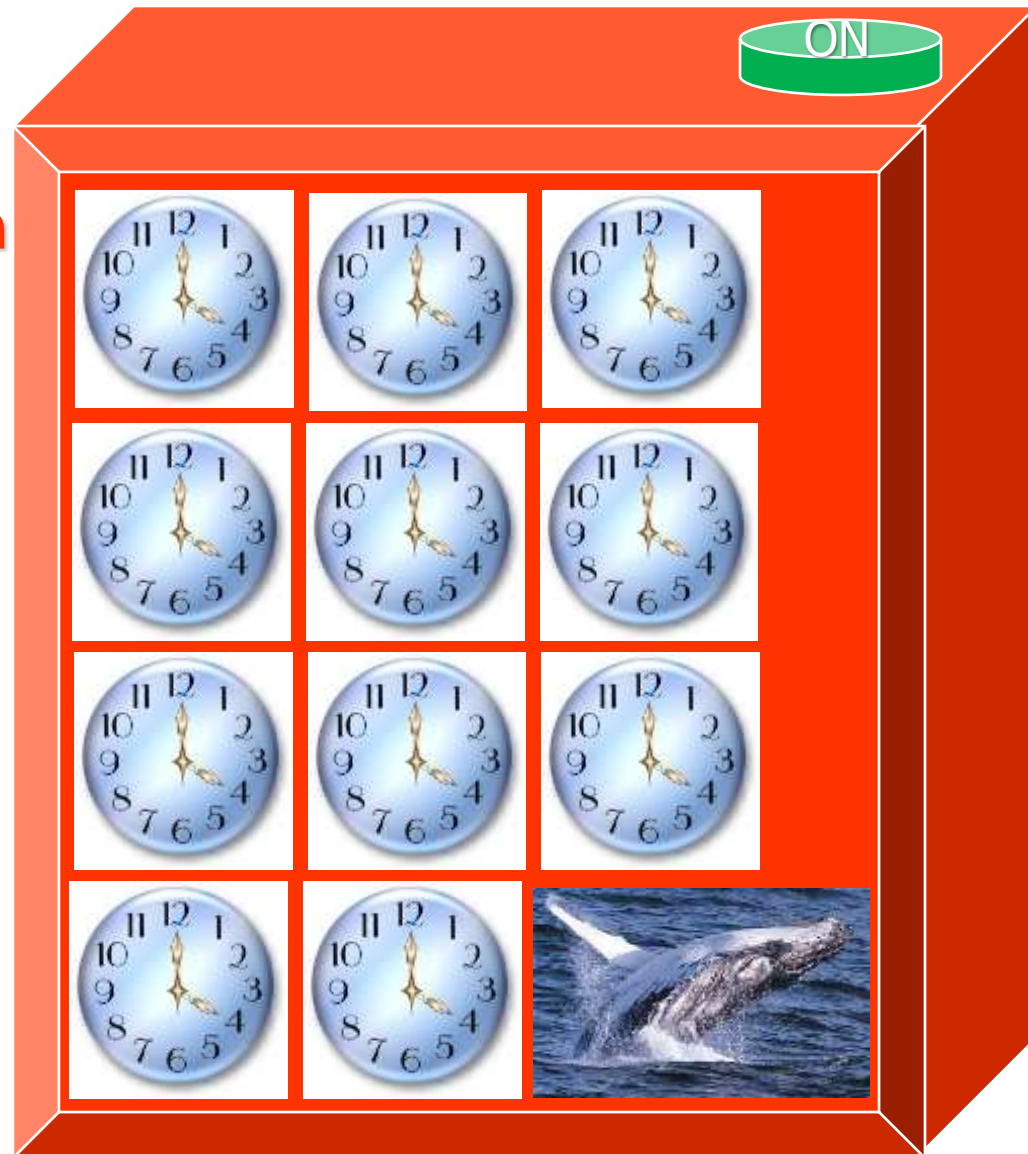
11 dials



- With 60 divisions
(like a clock face)
- Have to be precisely set

**If even 1 dial
is off by 1 second**

- Kaput; no protein



To create First Life

To create first life

you have to first create a self-replicator

(a precursor to the cell) that can reproduce itself.

Only then can natural selection take over, to help improve it
(according to Evolution)

--

Scientists have determined the minimum complexity needed
for such a self-replicator.

Their studies show that the simplest such self-replicator
requires a minimum of 256 genes (proteins).

Origin of Life/Simplest self-replicator (10^{-5120})

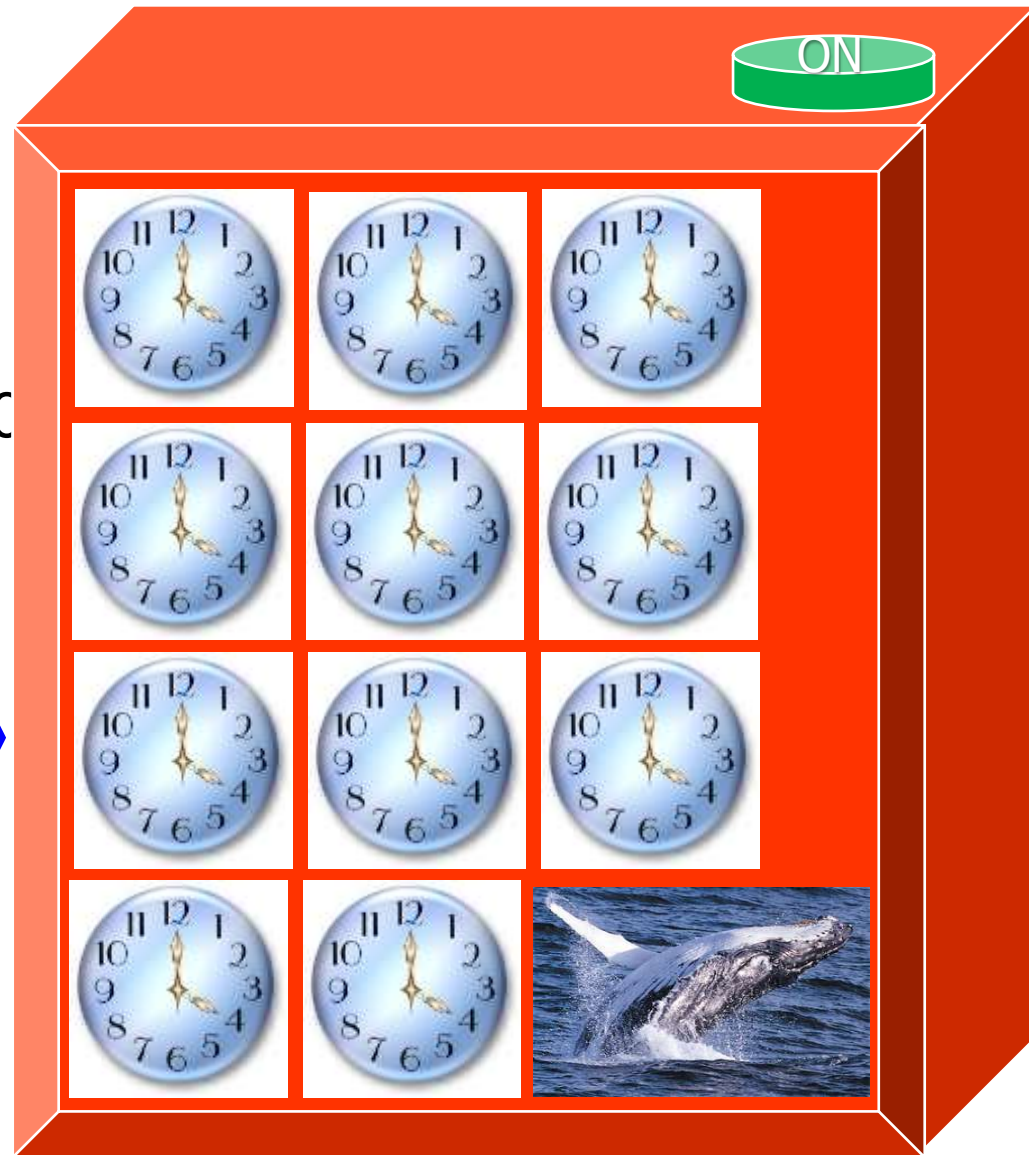
Minimal Gene Set (estimated) ~256 g

Probability (10^{-5120})
by Random Chance

0.00000 00000 0000 00000
... 00000 00001
(5119 zeros before 1)

2879 dials 

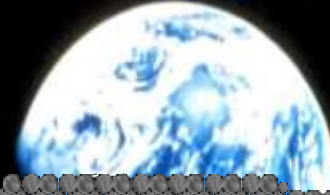
- With 60 divisions (like a clock face)
- Have to be precisely set



If even 1 dial is off by 1 second → Kaput; no MGS

Minimal Gene Set $\rightarrow 10^{5092}$ continents

1:10⁵¹²⁰



Comparison:
 $\sim 10^{80}$ particles
in entire universe

- Cover NorthAm with dimes to the moon, 239k mi
- Cover 10^{5092} such continents with dimes.
- Hide 1 red dime in the middle of all of these continents.
- Get blind-folded friend to pick one dime at random.

These probabilities

are so incredibly low

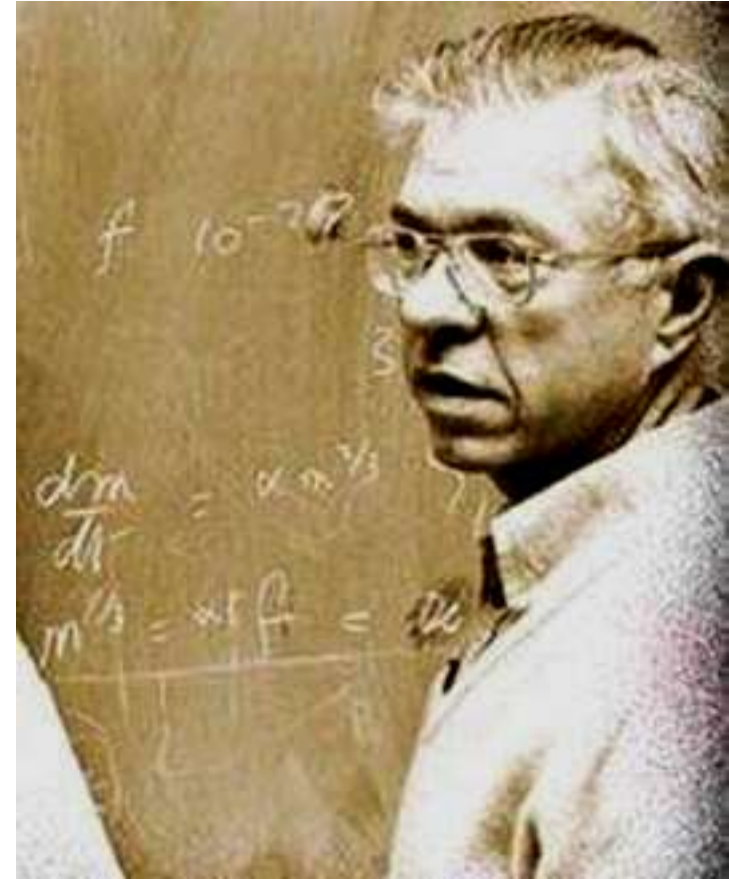
that it is Irrational for Atheists
to insist that the first self-replicator
(precursor to the first living cell)
arose by random chance.

A Universe Designed for Life

A common sense interpretation of the facts suggests that a **superintellect has monkeyed with physics**, as well as with chemistry and **biology**, and that there are no blind forces worth speaking about in nature.

The numbers one calculates from the facts seem to me so overwhelming as to put this conclusion almost beyond question.

(Fred Hoyle, Astrophysicist)



Conclusion

The Origin of Life points to God

**The impossibly low probabilities
Very unexpected for Atheism**

But not very surprising
if God exists
& created First Life.

Intelligent Design shows its presence
by specified events of very low probability.

Evidence such as these

**Are shaking the Atheism/
Agnosticism**

**Of many Scientists,
philosophers & other
intellectuals**

It is interesting – to see signs of puzzlement in otherwise naturalistic writings/ publications

A Universe Designed for Life



For the scientist who has lived by his faith in the power of reason, the story ends like a bad dream.

He has scaled the mountains of ignorance;

he is about to conquer the highest peak; as he pulls himself over the final rock,

he is **greeted by a band of theologians** who have been sitting there for centuries.

-- Robert Jastrow, Astronomer



Questions

(for discussion)

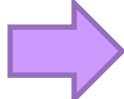
Questions for Discussion

- What did you learn (that was new to you) from this presentation?
- Did it come as a surprise to you that there is Scientific Evidence for God?
- Which of these evidences do you think is the most compelling?
- Do you feel that Science and Christian Faith are compatible? Why, or why not?
- Was there anything in the presentation that was confusing or not clearly communicated?

•Action Steps

• Provide feedback to the speaker about what topics you would like covered in more detail.

• Read a book that goes into more detail on these topics.



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*(How an
Atheist Scientist
changed his mind)*



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Contact

- Please email me at LogicalTheist@gmail.com if you have questions or comments, or ...
- If you wish to commit your life to Christ
 - and if you need any help with that
 - or in how to grow in your relationship with God