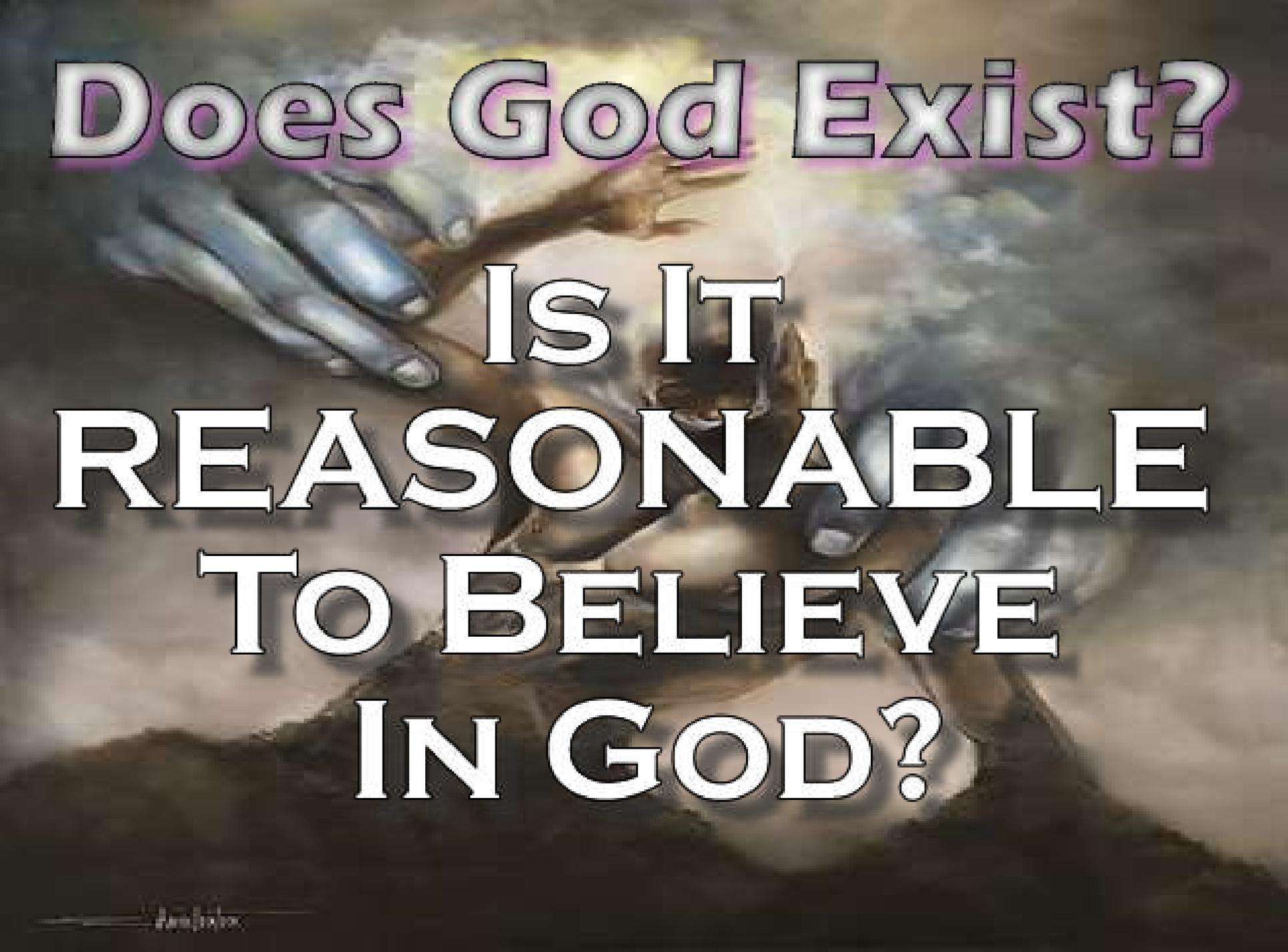
A scenic view of a beach with waves crashing onto the shore. The sand is golden-brown and has several footprints scattered across it. In the background, there is a large island or headland under a clear blue sky with a few wispy clouds.

IS THERE A GOD?

2 of 4

Complexity of life!



Does God Exist?

**IS IT
REASONABLE
TO BELIEVE
IN GOD?**

Does God Exist?

**D
E
S
I
G
N**

Cause And Effect — The Cosmological Argument

The Most Reasonable Cause
For The Material Universe?

Order of The Universe — The Teleological Argument

The Most Reasonable Cause For Organization?

The Irreducible Complexity of Living Things

The Most Reasonable Cause
of Life & its complexities?

Mind, Ethics, & Reason – Anthropological Argument

The Most Reasonable Explanation
For Consciousness?

Religion, – The Spiritual Argument

The Most Reasonable Explanation For Man's
desire to Worship, Seek God, & The Bible?

THE MOST REASONABLE CAUSE FOR ORGANIZATION?



587 Quadrillion Miles

The Milky Way Galaxy: Vital Statistics

Diameter	100,000 light years
Thickness (Nucleus)	20,000 light years
Thickness (Disc)	2,000 light years
Number of Stars	100,000,000,000

THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

Psalm 139:13-16 (NKJV)

For You formed my inward parts; You covered me in my mother's womb. [14] I will praise You, for I am fearfully and wonderfully made; Marvelous are Your works, And that my soul knows very well. [15] My frame was not hidden from You, When I was made in secret, And skillfully wrought in the lowest parts of the earth. [16] Your eyes saw my substance, being yet unformed. . . .

THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

Natural Evolution Says . . .



TIME + CHANCE = LIFE

Distinguish -'Special Theory of Evolution': (Variation) From 'General Theory of Evolution'".

IMPORTANT DISTINCTION,

"There is a theory which states that many living animals can be observed over the course of time to UNDERGO CHANGES so that new species are formed.

This can be called the 'Special Theory of Evolution': and can be demonstrated in certain cases by experiments. G. A. KERKUT,
(Christians believe in variations within a species)

"The (peppered moth) experiments beautifully demonstrate natural selection or survival of the fittest-in action,
but they do not show evolution in progress,
for however much the populations may alter

...all the moths remain moths from beginning to end,
Biston betularia." Introduction to Centennial Edition,
Origin of Species, p.xi, 1971, J.M. Dent & Sons, London
NOT EVOLUTION, by L. HARRISON MATTHEWS,

We need to **Distinguish**
'Special Theory of Evolution': (Variation)
From 'General Theory of Evolution'".

On the other hand there is a theory that all the living forms in the world have arisen from a **SINGLE** source which itself came from an **INORGANIC FORM**. (gas or rock)

This theory can be called the **'General Theory of Evolution'".**
Implications of Evolution, p.155.

General EVOLUTION, Theodosius Dobzhansky,
"Evolution comprises **all the stages** of the development of the universe; **the cosmic, biological, and human or cultural developments...**

Life is a **product** of the **evolution** of **inorganic nature**, and **man** is a **product** of the **evolution** of **life**."

Science, Vol.155, p.409.

**We need to Distinguish
'Special Theory of Evolution': (Variation)
From 'General Theory of Evolution'".**

"evolution from primordial life, through unicellular and multi cellular organisms, invertebrate, and vertebrate animals, to man..."
Encyclopedia Americana

**Chief Justice Rienquist & Justice Scalia,
"We have no basis on the record to conclude that **creation-science** need be anything other than **a collection of scientific data supporting the theory that life abruptly appeared on the earth.**"**
Edwards vs. Aguillard, Dissent

**We need to Distinguish
'Special Theory of Evolution': (Variation)
From 'General Theory of Evolution'".**

Niles Eldridge, American Museum of Natural History,
"Indeed, the **only competing explanation** for the order we all
see in the biological world **is the notion of Special Creation.**"
Time Frames, 1985, p.240

**"Creation and evolution, between them, exhaust the
possible explanations for the origin of living things.
Organisms either appeared on earth
fully developed or they did not.**

**If they did not, they must have developed from pre-existing
species from some process of modifications.
If they did appear in a fully developed state, they must
have been created by some omnipotent intelligence."**
Science On Trial, 1983, p.169 D. J. Futuyma,

Creation-Evolution Debates, Niles Eldridge, Curator,
American Museum of Natural History, “
Creationist travel all over the United States,
visiting college campuses and staging '**debates**'
with biologist, geologist, and anthropologist.

The creationists nearly always win. ...

Thinking the creationists are uneducated,
Bible-thumping clods, they are soon routed
by a steady onslaught of direct attacks
on a wide variety of scientific topics. ...

Creationists today - at least the majority of their spokesmen - are
highly educated, intelligent people. **Skilled debaters, they have
always done their homework. And they nearly always
seem better informed than their opponents, who are
reduced too often to a bewildered state of incoherence. ...**

Creationists have been very successful of late in converting student followers, having favourable rulings adopted by local school boards, even getting legislation passed by state legislatures..."

Monkey Business,

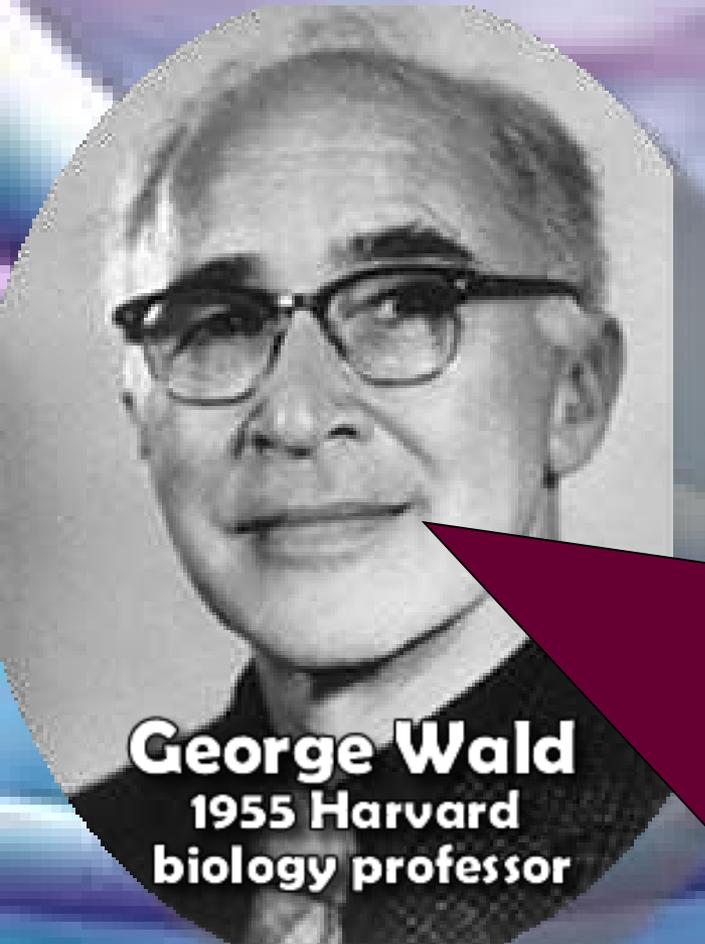
Eugenie C. Scott, National Center for Science Education
(Berkeley Watchdog Group)

"**Scientists should refuse formal debates** because they do more harm than good, but scientists still need to counter the creationist message." *New Scientist*, 22/04/2000, p.46

DARWIN'S VIEW, Origin Of The Species, Introduction,
"A **fair result** can be obtained **only** by **fully stating**
and **balancing the facts and arguments**
on **both sides** of each question."

It is interesting that many of those who believe in the **General theory of evolution** recognise that it would take a miracle to make it happen **while also claiming not to believe in Miracles**

THE ORIGIN OF LIFE?



George Wald
1955 Harvard
biology professor

**Given enough time,
(2 Billion years),
the impossible becomes
possible, the possible
becomes probable,
the probable
becomes certain!
Time performs
the miracle!**

Michael Ruse, "**Evolution** is promoted by its practitioners as **more than mere science**. Evolution is promulgated as **an ideology, a secular religion** - a full-fledged **alternative** to Christianity, with its meaning and morality... **Evolution is a religion**. This was true of evolution in the beginning, and is true of evolution still today." National Post, 5/13/2000.

LAW OF THE LAND:- Court rules atheism a religion: "A federal court of appeals ruled yesterday Wisconsin prison officials violated an inmate's rights because they did not treat **atheism** as a religion. "**Atheism is [the inmate's] religion**...even though it expressly rejects a belief in a supreme being," the 7th Circuit Court of Appeals said." August 20, 2005, WorldNetDaily.com

“Four and a half billion years ago the young planet Earth... was almost completely engulfed by the shallow primordial seas. Powerful winds gathered random molecules from the atmosphere.

Some were deposited in the seas.

Tides and currents **swept the molecules** together.

And somewhere in this ancient ocean
the MIRACLE of life began

The first organized form of primitive life was a **tiny protozoan** [a **one-celled animal**]. Millions of **protozoa** populated the ancient seas. **These early organisms were COMPLETELY SELF-SUFFICIENT** in their sea-water world.

**They moved about their aquatic environment
feeding on bacteria and other organisms...**

**From these one-celled organisms
evolved all life on earth”**

(from the Emmy award winning PBS NOVA film The Miracle of Life; quoted in Hanegraaff, 1998, p. 70, emphasis mine).



**QUESTION! If They were the first
and COMPLETELY SELF-SUFFICIENT
WHERE did the
bacteria and other organisms...
They were FEEDING on come from?!**

THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

Deoxyribonucleic acid

**The
Molecular
World . . .**

Key Terms:

Amino Acids - (20)

Proteins –

(Workers & Enzymes)

**Nucleic Acids – (DNA,
RNA)**

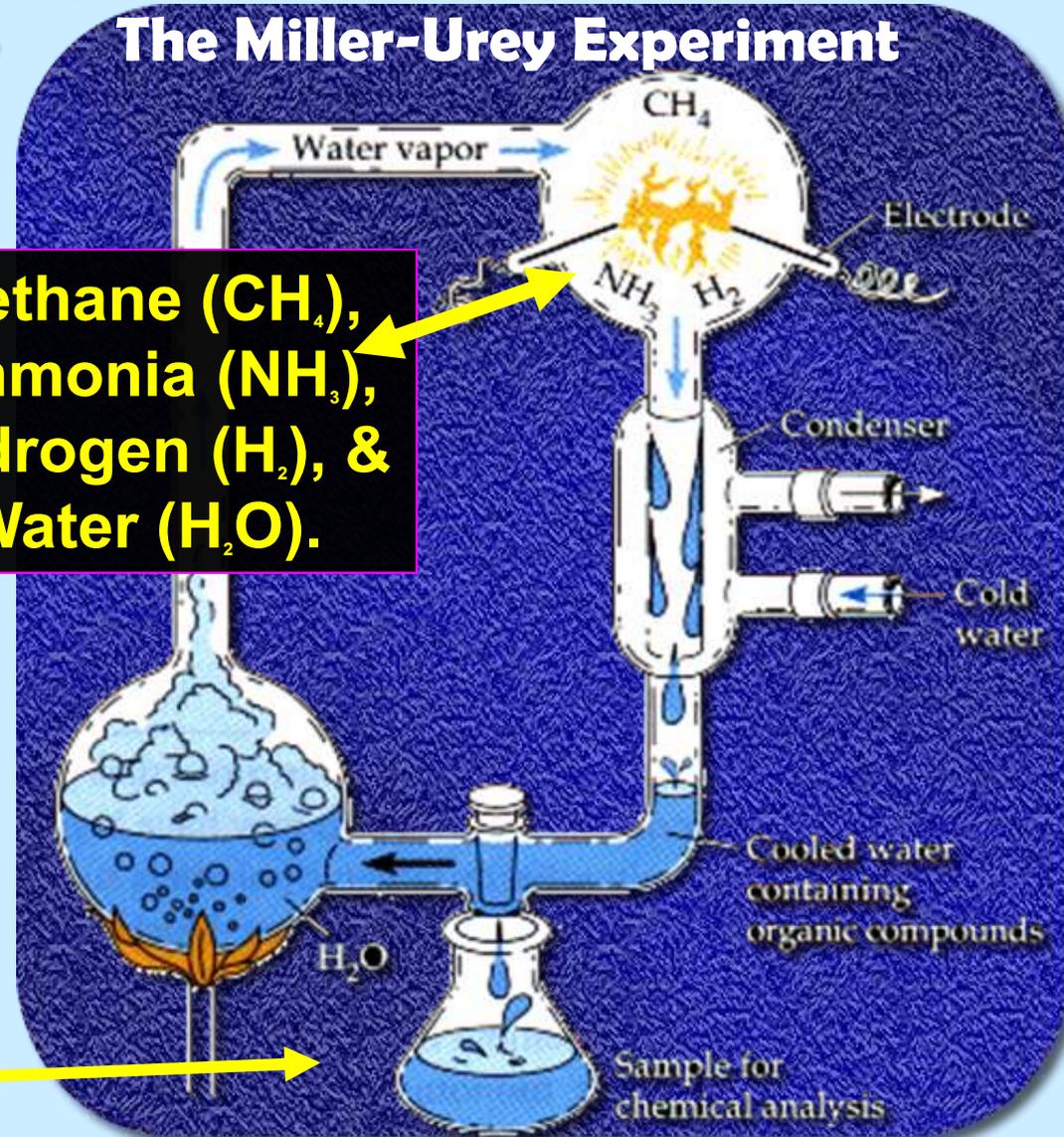
THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

THE ORIGIN OF LIFE?

In the 1950's, Miller and Urey performed a famous experiment regarded by many as evidence that life could be the result of natural processes.

The Miller-Urey Experiment

Methane (CH_4), Ammonia (NH_3), Hydrogen (H_2), & Water (H_2O).



“Prebiotic Soup!”

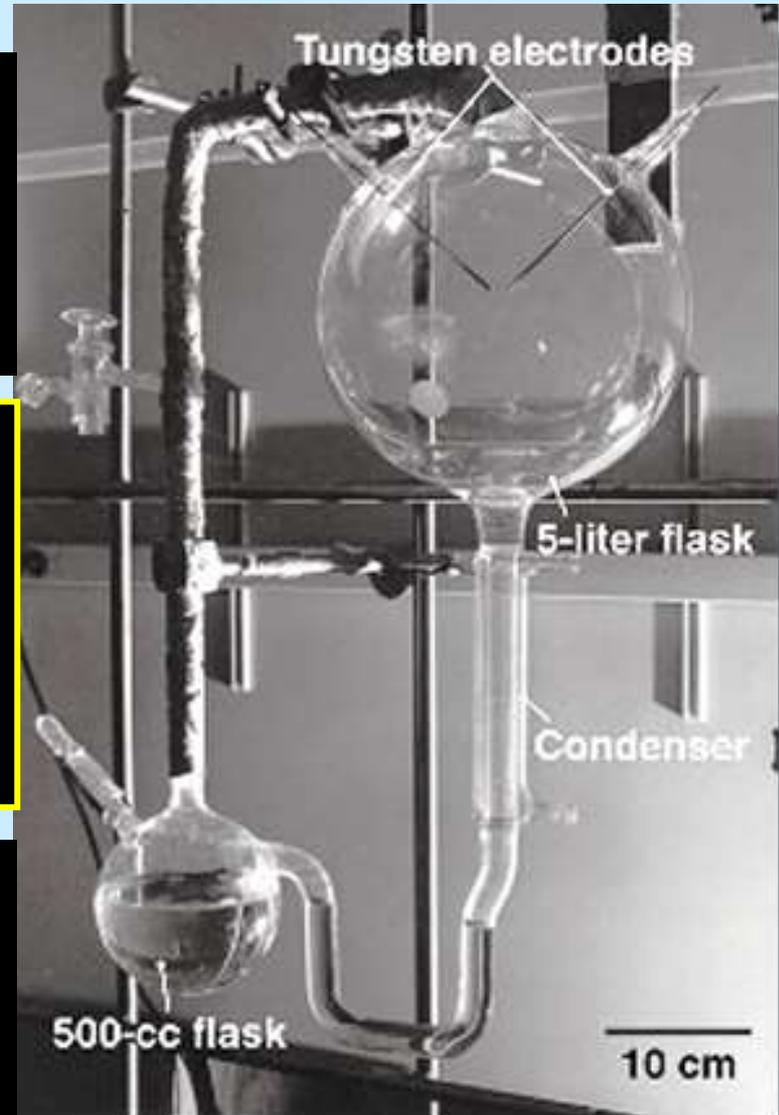
THE MOST REASONABLE CAUSE OF¹⁹ LIFE & ITS COMPLEXITIES?

THE ORIGIN OF LIFE?

After a day of continuous operation, **Miller** and **Urey** found a thin layer of hydrocarbons on the surface of the water.

After about a week of operation, a dark brown scum had collected in the lower flask and was found to contain **several types of amino acids**,

including **glycine** and **alanine**, together with **sugars, tars**, and various other unidentified organic chemicals.



The gases they used were **methane (CH₄)**, **ammonia (NH₃)**, **hydrogen (H₂)**, and **water (H₂O)**. Next, they ran a continuous electric current through the system, to simulate lightning storms believed to be common on the early earth.

Analysis of the experiment was done by chromatography. At the end of one week, Miller observed that as much as 10-15% of the carbon was now in the form of organic compounds.

Two percent of the carbon had formed **some of the amino acids which are used to make proteins**.

Perhaps most importantly, Miller's experiment showed that organic compounds such as amino acids, which are essential to cellular life, could be made easily under the conditions that scientists believed to be present on the early earth. This enormous finding inspired a multitude of further experiments.

The Miller and Urey Experiment

In 1961, Juan Oro found that amino acids could be made from **hydrogen cyanide (HCN) and ammonia** in an aqueous solution.

He also found that his experiment produced an **amazing amount** of the nucleotide base, **adenine**.

Adenine is of tremendous biological significance as an organic compound because it is **one of the four bases** in RNA and DNA. It is also a component of adenosine triphosphate, or ATP, which is a major energy releasing molecule, in cells. Experiments conducted later showed that the **other RNA and DNA bases** could be obtained through simulated **prebiotic chemistry** with a reducing atmosphere.

These discoveries created a stir within the science community.

Scientists became very optimistic that the **questions about the ORIGIN OF LIFE** would be **SOLVED** within a few **DECADES**.

This has not been the case however. Instead, the investigation into life's origins seems to have just begun.

There has been a recent wave of skepticism concerning Miller's experiment because it is now believed that the early earth's atmosphere did not contain predominantly reductant molecules.

Another objection is that this experiment required a tremendous amount of energy.

While it is believed lightning storms were extremely common on the primitive Earth, they were not continuous as the Miller/Urey experiment portrayed.

Thus it has been argued that while amino acids and other organic compounds may have been formed, they would not have been formed in the amounts which this experiment produced.

Many of the compounds made in the Miller/Urey experiment are known to exist in outer space.

On September 28, 1969, a meteorite fell over Murchison, Australia.

The Miller and Urey Experiment

While only 100 kilograms were recovered, analysis of the meteorite has shown that it is rich with amino acids.

Over 90 amino acids have been identified by researchers to date.

Nineteen of these amino acids are found on Earth.

The early Earth is believed to be similar to many of the asteroids and comets still roaming the galaxy. If amino acids are able to survive in outer space under extreme conditions, then this might suggest that amino acids were present when the Earth was formed.

More importantly, the Murchison meteorite has demonstrated that the Earth may have acquired some of its amino acids and other organic compounds by planetary in fall.

If these compounds were not created in a reducing atmosphere here on Earth as Miller suggested, then where did they come from?

New theories have recently been offered as alternative sites for the origin of life.

Problems with the formation of Proteins

The Miller-Urey experiment of 1953 is often viewed as having solved this problem. It has frequently been repeated under various conditions.

We have yet to produce two of the 20 needed amino acids in any such experiments.

We regularly produce lots of other amino acids not in the needed 20.

We regularly get lots of other stuff that would reactively interfere with the following needed steps.

We need a reducing atmosphere
(less than 1% oxygen),

but photo dissociation seems a problem here.

Amino acids in life are all left-handed.

THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

THE ORIGIN OF LIFE?



Paul Davies

(Life force' - New Scientist. 163(2204): p. 28. 1999)

“Making the building blocks of life is easy--**amino acids** have been found in meteorites and even in outer space.

But just as bricks alone don't make a house, so **it takes more** than a random collection of amino acids **to make life.**

Like house bricks, the building blocks of life have to be assembled **in a very specific and exceedingly elaborate way** before they have the desired function.”

SCIENTIFIC DISSENT FROM DARWINISM

(Signed by over 700 scientists
all with doctorates in natural sciences).

"We are **skeptical** of claims for the ability of random mutation and natural selection to account for the complexity of life.

Careful examination of the evidence for Darwinian theory should be encouraged."



Carl Sagan
1934-1996

"The number of possible ways of putting nucleotides together in a chromosome is enormous.

Thus a human being is an extraordinarily improbable object.

Most of the $10^{(2.4 \times 10^9)}$ possible sequences of nucleotides would lead to

complete biological malfunction"

("Life," *Encyclopedia Britannica* (New York: *Encyclopedia Britannica, Inc.*), 22:967).

January 13, 2020 (CHICAGO, Illinois) – An incentive prize ten times the size of the Nobel – believed to be the largest single award ever in basic science – is being offered to the person or team solving the largest mystery in history:

how genetic code inside cells got there, and how cells intentionally self-organize, communicate, then purposely

The new international competition is intended to speed breakthroughs around the still unknown process of cell communication that organizers predict can turn off cancer, allow robots to think for themselves and even create new plant life to combat climate change.

The Evolution 2.0 Prize is designed by Chicago engineer-turned-marketer-turned-business consultant Perry Marshall and his A-list team of partners. They include top genetic experts from Harvard and Oxford, plus a diverse group of investors from private banking, healthcare and biotechnology, software, real estate, publishing and more.

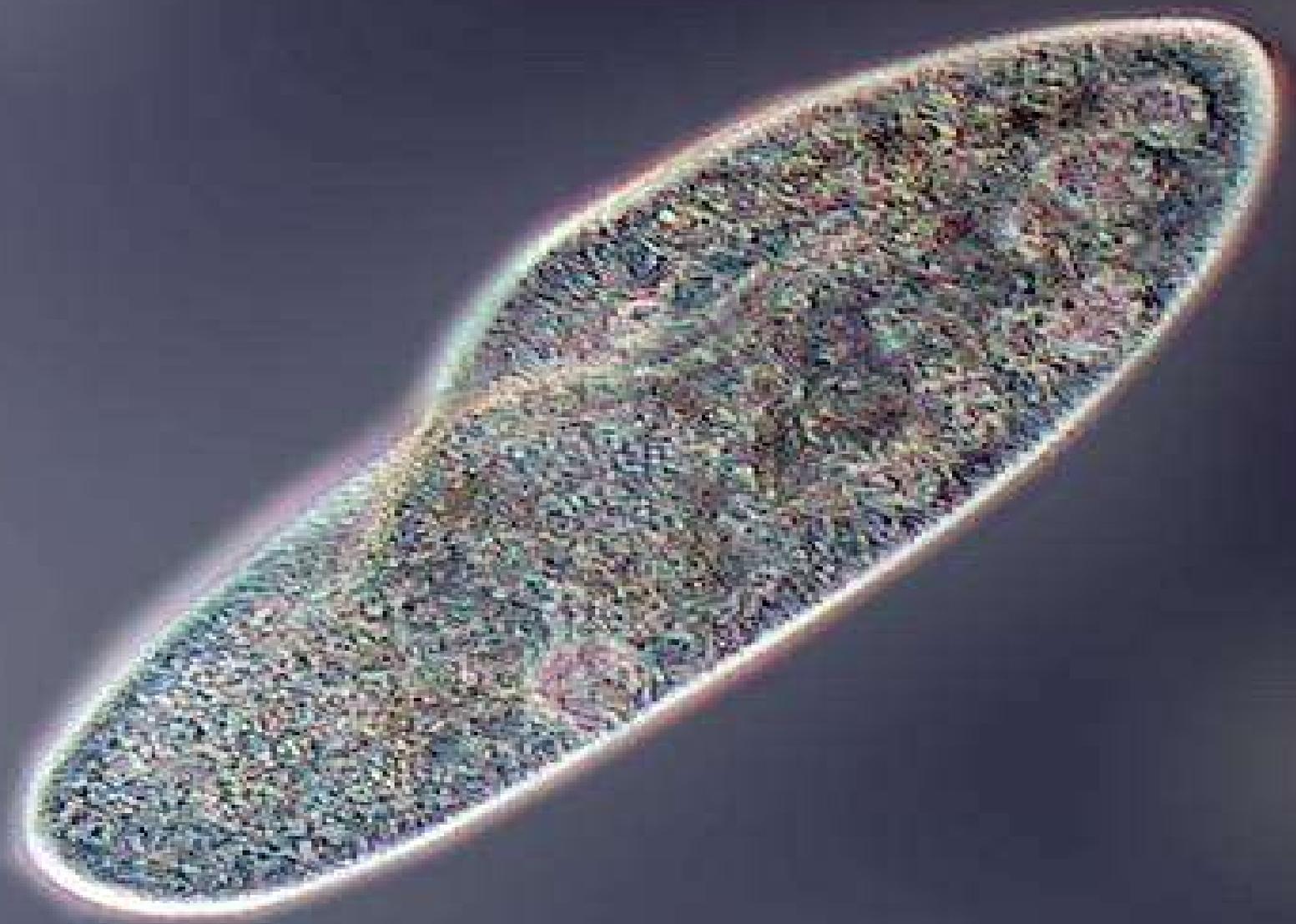
“A germ resisting antibiotics does more programming in 12 minutes than a team of Google engineers can do in 12 days,” said Marshall. “One blade of grass is 10,000 years ahead of any human technology.

“If a single firm in Silicon Valley held a fraction of the secrets of this natural code inside a single cell, they’d set the NASDAQ on fire.”

“Organisms self-edit and reprogram in real time in a way that dwarfs anything manmade.”

“If we crack this, it will literally change the course of aging, disease, A.I. and humanity.”

How Did Life Begin?



How Did Life Begin?

“Spontaneous Generation ABIOTENESIS :–
The supposed spontaneous origination
of living organisms directly from lifeless matter;

The ancient theory holding that certain lower
forms of life, especially the insects,
reproduce by physicochemical agencies
from inorganic substances.

It has been Scientifically proven
that this cannot happen.”
Louis Pasteur.



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An Italian scientist named
Francisco Redi,
who lived from 1626-1698.

**In his day, many people
believed that
life spontaneously generated
from nonliving things.**



How Did Life Begin? One of the most common ideas was that **maggots spontaneously generated** from meat.

The proof offered for this was that if meat was left sitting out for a time, **maggots would form.**

Redi did not believe that maggots spontaneously generated. **He believed that flies landing on the meat caused the maggots.**

He put meat in several jars.

Some of the jars he left open so that flies could land on the meat.

Some of the jars he completely sealed

so that no air or flies could get to the meat.

Other jars he covered with a netted fabric like our medical gauze.

As he expected, maggots formed only on the meat that the flies could contact.

No maggots formed in the sealed or covered jars.

His experiments proved that maggots did not spontaneously generate.

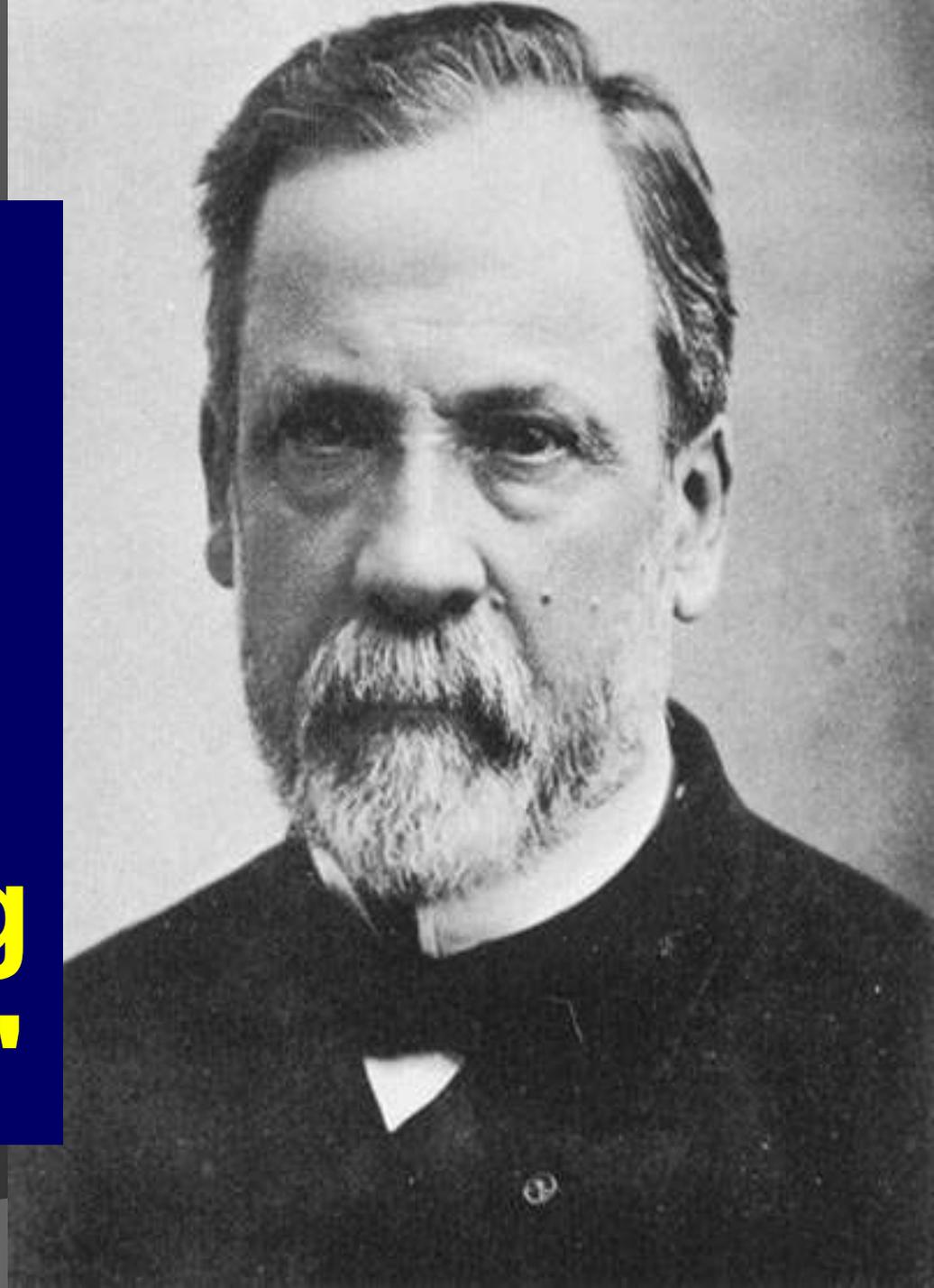


Louis Pasteur
(1822 - 1895)

Louis Pasteur sealed the fate of spontaneous generation in a series of careful experiments, in 1861.

He demonstrated clearly that microorganisms are carried in the air, and that they grow in previously sterilized broths ONLY when the broths are contaminated by air or similar sources.

**"Every
[biological]
living thing
arises from
a preexisting
living thing."**



THE ORIGIN OF LIFE?



Sir Fred Hoyle

June 24, 1915 - August 20, 2001

British astronomer.

“Any theory with the probability of being correct that is larger than one part in 10 to the 40 thousandths must be judged superior to random shuffling.”

Hoyle, Sir Fred, and Chandra Wickramasinghe, *Evolution from Space*, 1984, p. 148.

THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

THE ORIGIN OF LIFE?



**The number of ways a deck
of just 52 cards can be
arranged is about:
80,658,175,000,000,000,000,0
00,000,000,000,
000,000,000,000,000,000,000,
000,000,000,000,000
That's over 80 million trillion
trillion trillion trillion.
80,658,175 with 60 zeros . . .**

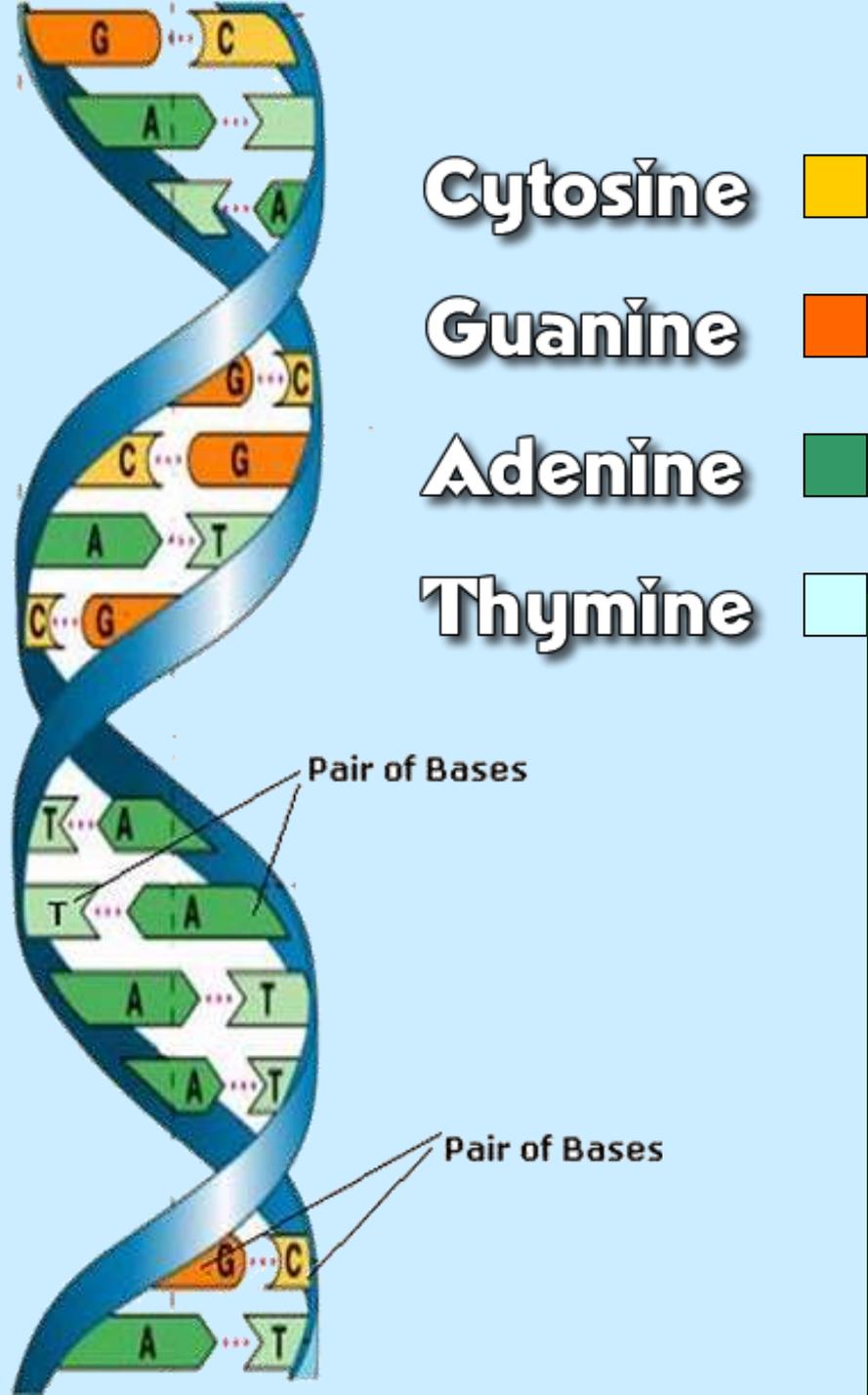
THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

THE ORIGIN OF LIFE?



Life, however, is not just a random draw from a deck of chemical cards, but a precisely assembled house of cards built from specific combinations of components.





DNA: Instruction Manual for All Life

Deoxyribonucleic acid

(DNA) is a nucleic acid usually in the form of a double helix that contains the genetic instructions specifying the biological development of all cellular forms of life, and many viruses.

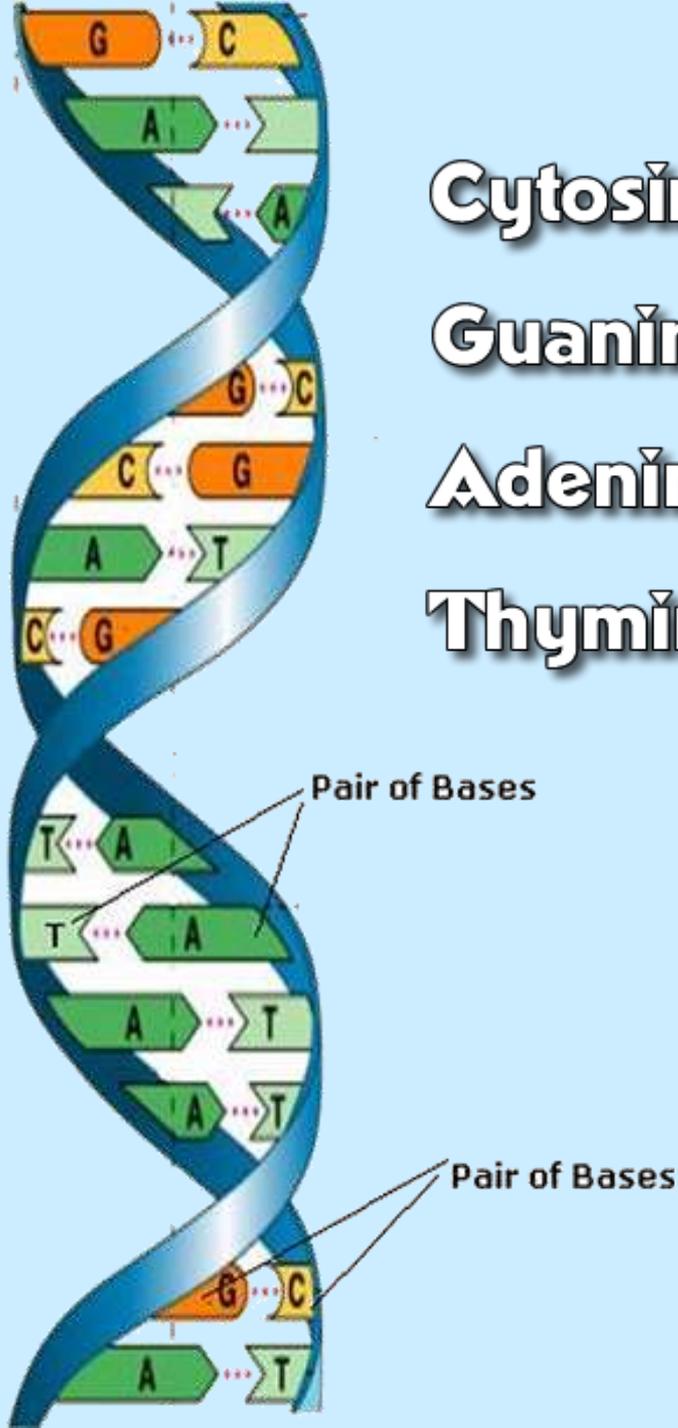
DNA: Instruction Manual for All Life

Cytosine 

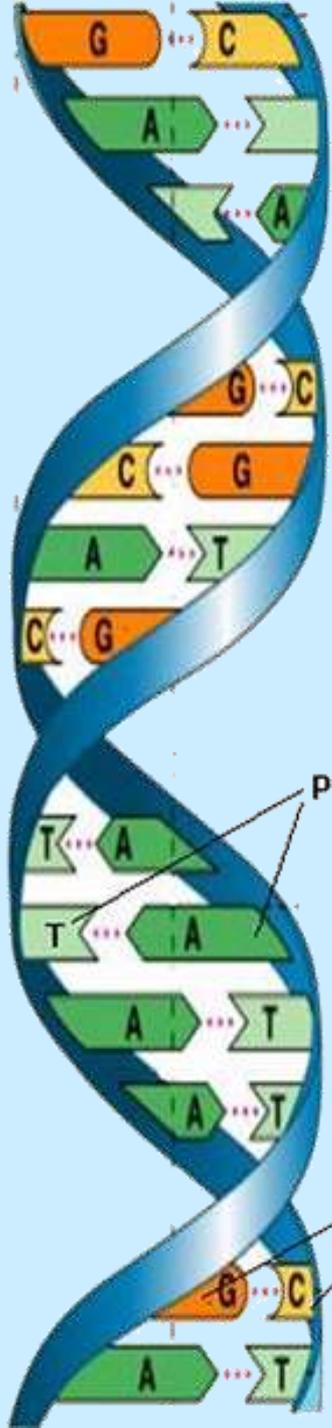
Guanine 

Adenine 

Thymine 



Your DNA has over 3 billion base pairs of 4 separate chemicals. Can you imagine what odds must be involved in sequencing them into perfect order through chance and adaptation alone!



Cytosine 

Guanine 

Adenine 

Thymine 

Pair of Bases

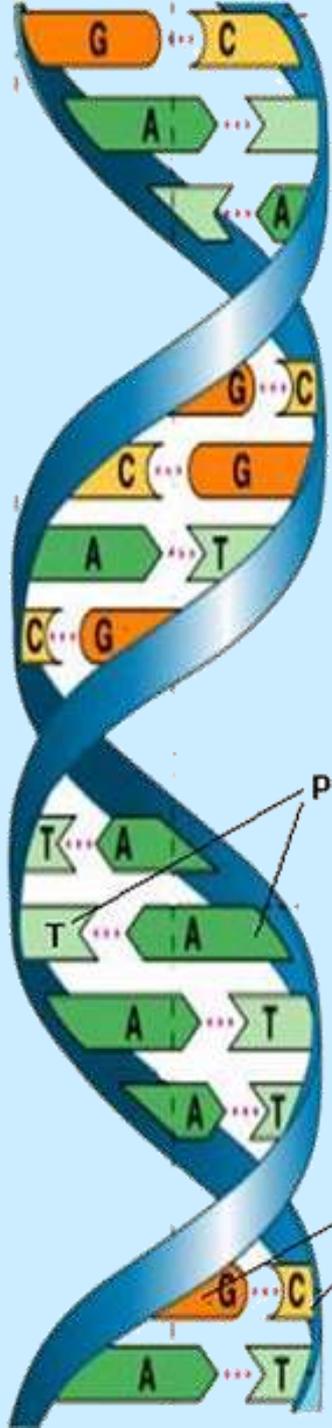
Pair of Bases

DNA: Instruction Manual for All Life

The double-stranded DNA molecule is held together by four chemicals called bases.

These are adenine (A), cytosine (C), guanine (G) and thymine (T).

The letters representing the bases form the "code of life"



Cytosine

Guanine

Adenine

Thymine

Pair of Bases

Pair of Bases

DNA:

Instruction Manual for All Life

Every three letters form a “word” – forming the genetic code for every living thing. The words make sentences:-
<ATG CTC GAA TAA>
encoding the sequence of the 20 amino acids in proteins.

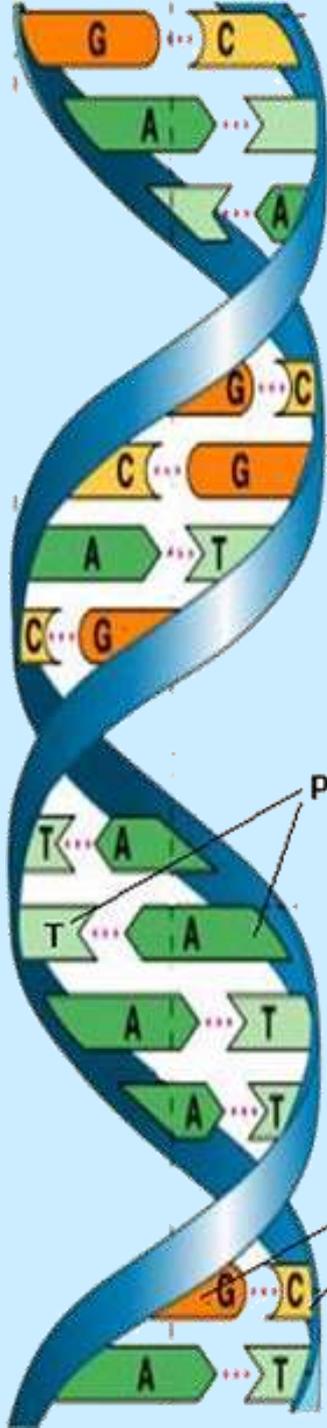
DNA: Instruction Manual for All Life

Cytosine 

Guanine 

Adenine 

Thymine 

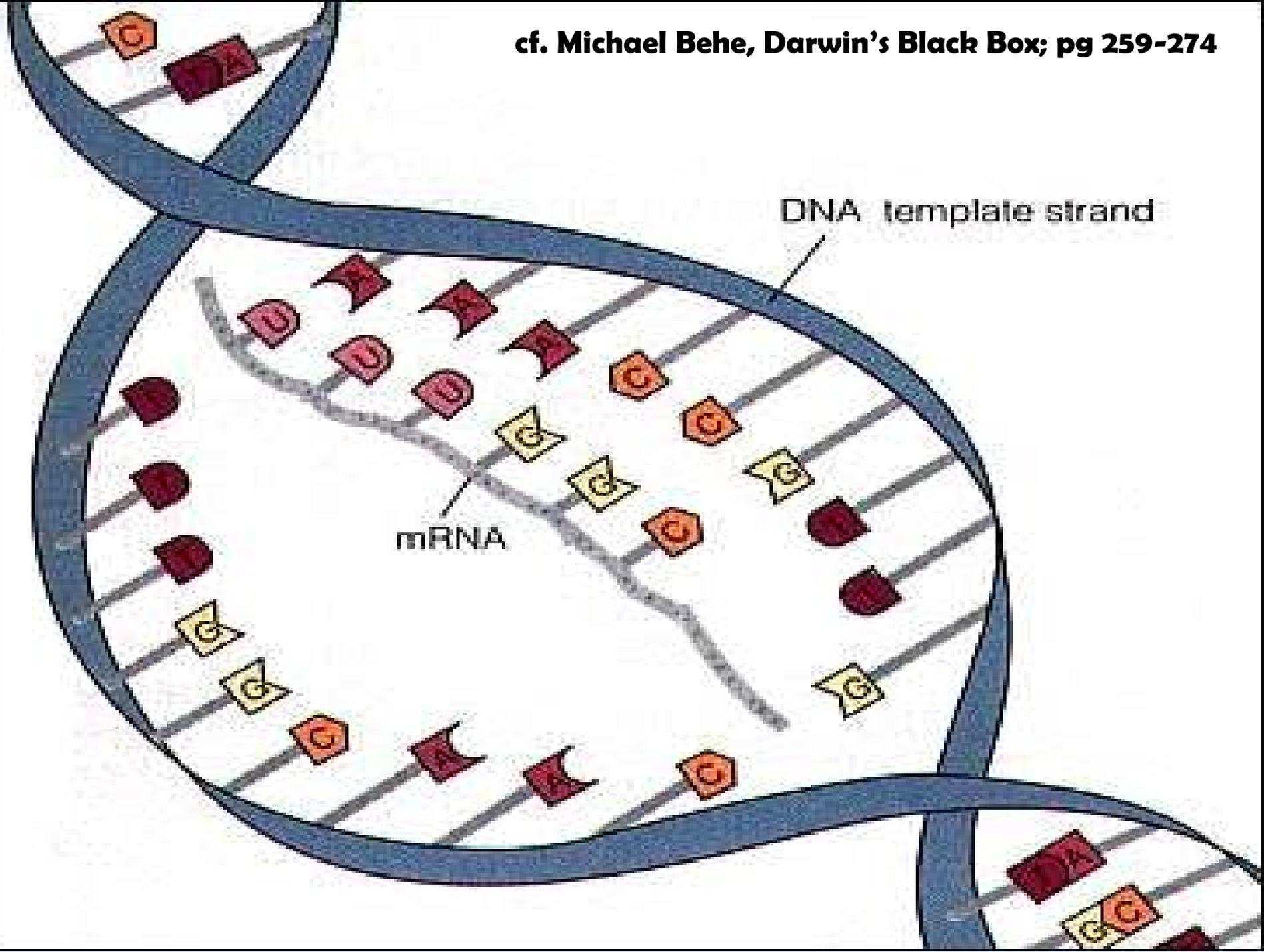


Pair of Bases

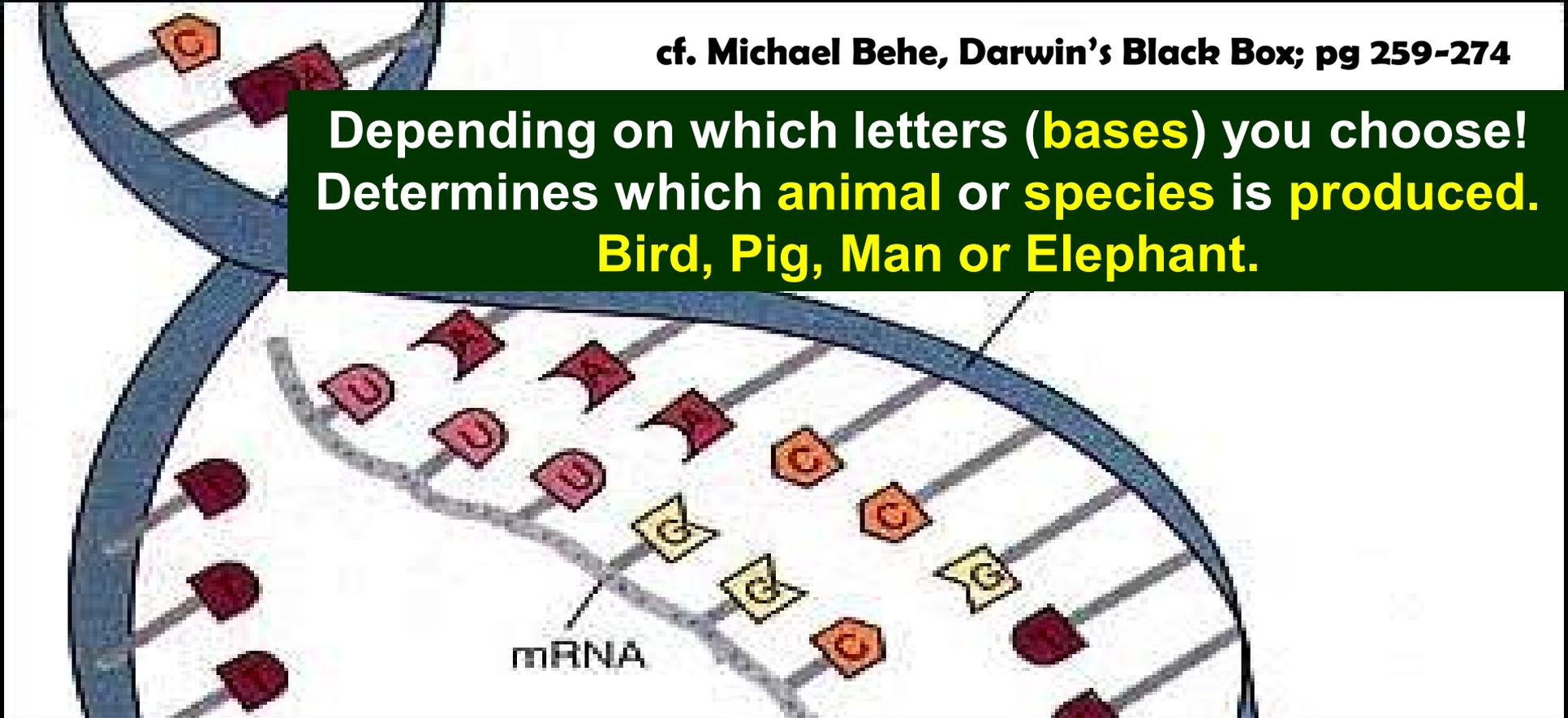
Pair of Bases

DNA is the template that stores the information, & messenger RNA is a copy that transfers the information to the protein-making machinery.

cf. Michael Behe, Darwin's Black Box; pg 259-274



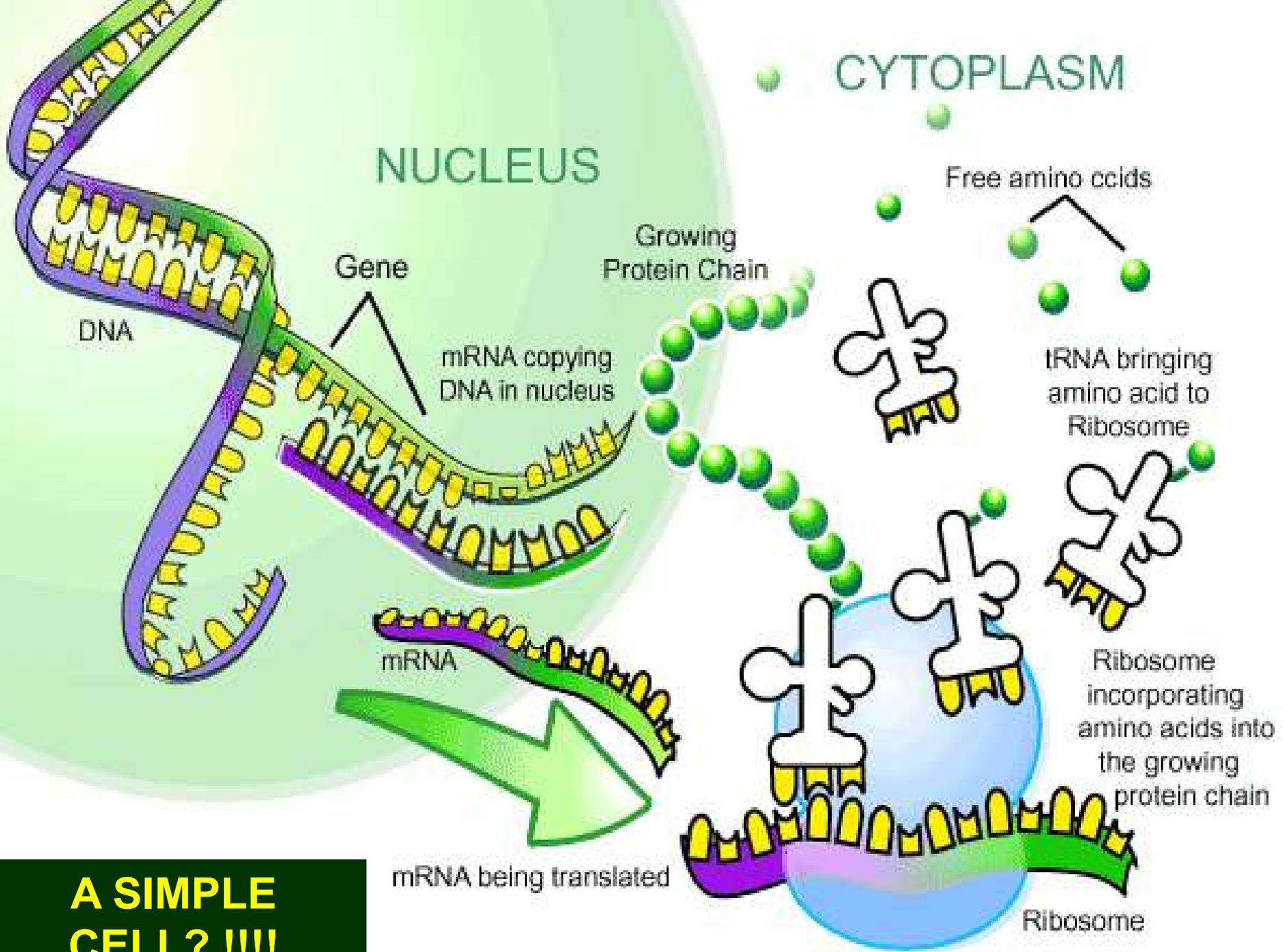
Depending on which letters (**bases**) you choose!
Determines which **animal** or **species** is **produced**.
Bird, Pig, Man or Elephant.



mRNA

The diagram shows a section of a DNA double helix. The two strands are represented by blue ribbons. Various nitrogenous bases are attached to the strands: red squares labeled 'C' (Cytosine), orange pentagons labeled 'G' (Guanine), and purple circles labeled 'A' (Adenine). A single-stranded mRNA molecule is shown transcribing from the DNA. It consists of a sequence of bases: a purple circle (Uracil), a red square (Cytosine), a purple circle (Adenine), a red square (Cytosine), a yellow diamond (Guanine), a red square (Cytosine), a purple circle (Adenine), a red square (Cytosine), a yellow diamond (Guanine), a red square (Cytosine), and a purple circle (Adenine). The label 'mRNA' is positioned below the first few bases of the mRNA strand.

Evolutionists believe that **something comes from nothing** and **produces a simple cell**
The Problem Is you cannot produce SOMETHING from NOTHING and
there is **NO SUCH THING as a SIMPLE cell.**



A SIMPLE CELL? !!!!

THE ORIGIN OF LIFE?

“The **information in DNA** is sufficient for directing and controlling all the processes which transpire within a cell **including diagnosing, repairing, and replicating the cell.**”



Think of **an architectural blueprint** having the capacity of actually **building the structure** depicted on the blueprint, **of maintaining that structure in good repair, and even replicating it”** (Darrel Kautz, (1988), *The Origin of Living Things* p. 44, Milwaukee, WI: Privately published by the author).

THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

THE ORIGIN OF LIFE?

In contemporary organisms, DNA, RNA, and proteins are mutually interdependent.

DNA stores the genetic information and copies it to RNA. RNA directs the synthesis of proteins.

Proteins are made up of 20 different building blocks known as amino acids. Information must be stored in the sequence of the DNA nucleotides to recognize the different amino acids.

Proteins carry out the work ESSENTIAL TO CELL EXISTENCE and REPRODUCTION.

THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

Living things are by far the most complex objects we have yet found in our universe.

Sagan says of the **E. coli bacterium**:

Information content = 10^{12} bits.

Equivalent to 100 million pages of the Encyclopaedia Britannica.

Humans have trillions of cells, each more complex than those of **E. coli**.





THE ORIGIN OF LIFE?

Sir Francis Crick:

“If a particular amino acid sequence was selected by chance, **how rare an event would this be?...”**

The great majority of sequences can never have been synthesized at all, at any time.”

(Crick, Francis Francis Crick, *Life Itself: Its Origin and Nature*, 1981, pp. 51-52.

(New York: Simon and Schuster).



Sir Francis Crick
1916-2004
co-discoverer of the DNA molecule.

THE ORIGIN OF LIFE?



Sir Francis Crick:

“An honest man, armed with all the knowledge available to us now, **could only state** that in some sense, **the origin of life appears at the moment to be almost a miracle**, so many are the conditions which would have had to have been satisfied to get it going”

(Crick, Francis (1981), *Life Itself: Its Origin and Nature* p. 88, (New York: Simon and Schuster).



Sir Francis Crick
1916-2004

co-discoverer of the DNA molecule.

THE ORIGIN OF LIFE?



SIR FRANCIS CRICK:

“... But this **should not** be taken to **imply** that there are good reasons to believe that it could **NOT** have started on earth **by a perfectly reasonable sequence of fairly ordinary chemical reactions.**”

(Crick, Francis (1981), *Life Itself: Its Origin and Nature* p. 88, (New York: Simon and Schuster).



Sir Francis Crick
1916-2004
co-discoverer of the DNA molecule.

THE ORIGIN OF LIFE?



Sir Fred Hoyle

June 24, 1915 - August 20, 2001
British astronomer.

"The likelihood of the spontaneous formation of life from inanimate matter is one to a number with 40,000 naughts after it.... It is big enough to bury Darwin and the whole theory of evolution."

Hoyle, Sir Fred, and Chandra Wickramasinghe, *Evolution from Space*, 1984, p. 148.

THE ORIGIN OF LIFE?



Sir Fred Hoyle

June 24, 1915 - August 20, 2001
British astronomer.

“The current scenario of the origin of life is about as likely as the assemblage of a 747 by a tornado whirling through a junkyard.”

Hoyle, Sir Fred, *The intelligent Universe* (London: Michael Joseph, 1983) in Walter L Bradley and Charles B. Thaxton, “Information and the Origin of Life,” in *The Creation Hypothesis*, ed. Moreland, 190,191.

THE ORIGIN OF LIFE?



Sir Fred Hoyle

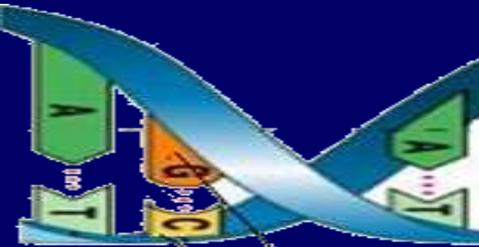
June 24, 1915 - August 20, 2001
British astronomer.

The theory that life was assembled by an intelligence has, we believe, a probability vastly higher than that. Indeed such a theory is SO OBVIOUS one wonders why it is not widely accepted as being SELF EVIDENT."

Rejected Darwinist evolution in favour of panspermia,

Hoyle, Sir Fred, and Chandra Wickramasinghe,
Evolution from Space, 1984, p. 148.

THE ORIGIN OF LIFE?



Sir Fred Hoyle

June 24, 1915 - August 20, 2001
British astronomer.

“Life CANNOT have had A RANDOM BEGINNING – Troops of monkeys thundering away on random typewriters could not produce the works of Shakespeare, for the practical reason that the whole universe is not large enough to contain the necessary hordes of monkeys,

or the necessary typewriters and certainly not the wastepaper baskets required for the depositions of the wrong attempts.

The same is true for living materials.”

THE ORIGIN OF LIFE?



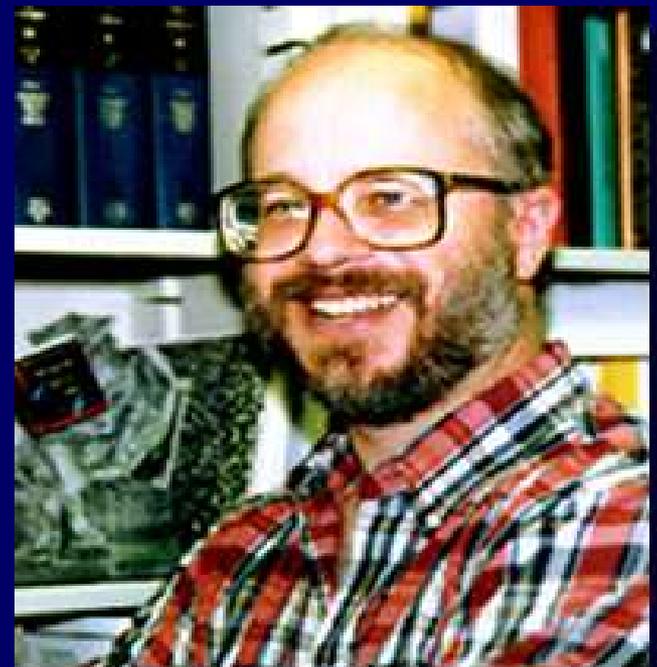
**“If I can
synthesize life
here, then
I will PROVE that
no intelligence
was required
to produce life in
the beginning!!”**

IRREDUCIBLE COMPLEXITY . . .



“An irreducible complex system is one that requires several closely matched parts in order to function and where removal of one of the components effectively causes the system to cease functioning.”

(Michael Behe, Mere Creation: Science, Faith & Intelligent Design” – 178)



Michael Behe

**Professor of biochemistry,
Lehigh University, Pennsylvania**

IRREDUCIBLE COMPLEXITY . . .



Which parts are expendable, i.e., which parts are unnecessary for the mouse trap to carry out its function?

(Darwin's Black Box, Michael Behe, pg 42,43)



IRREDUCIBLE COMPLEXITY . . .



**Rotary motor of
flagellum of bacteria**

**Complex chemical
processes:**

Vision

Blood clotting

Transport inside cell.



IRREDUCIBLE COMPLEXITY . . .



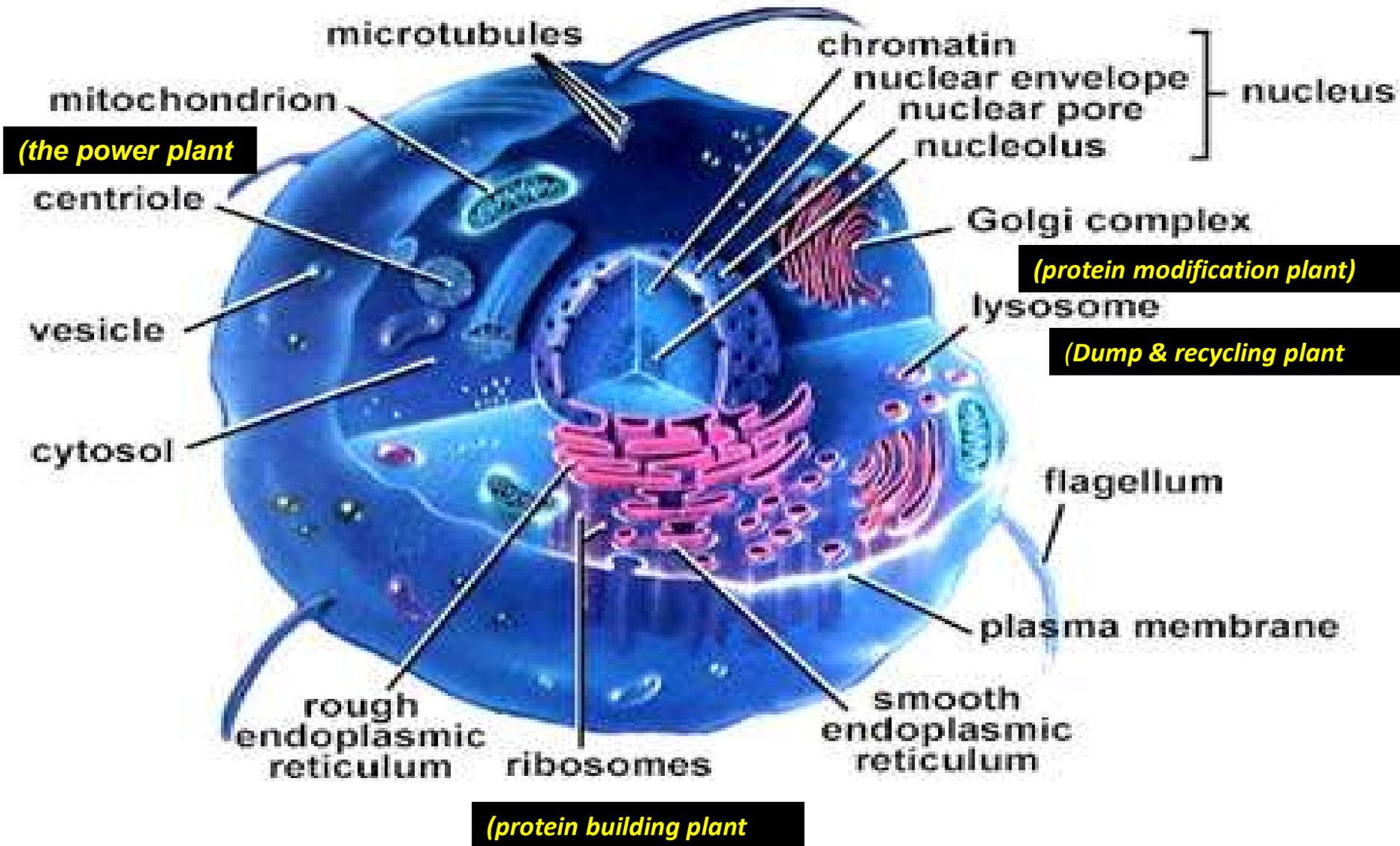
“In short, highly sophisticated molecular machines control every cellular process, (transport information, flip switches on and off, conduct electrical currents, manufacture molecules, move around, etc.). Thus the details of life are finely calibrated, and the machinery of life enormously complex.”

(Michael Behe, Darwin's Black Box; pg 4,5)



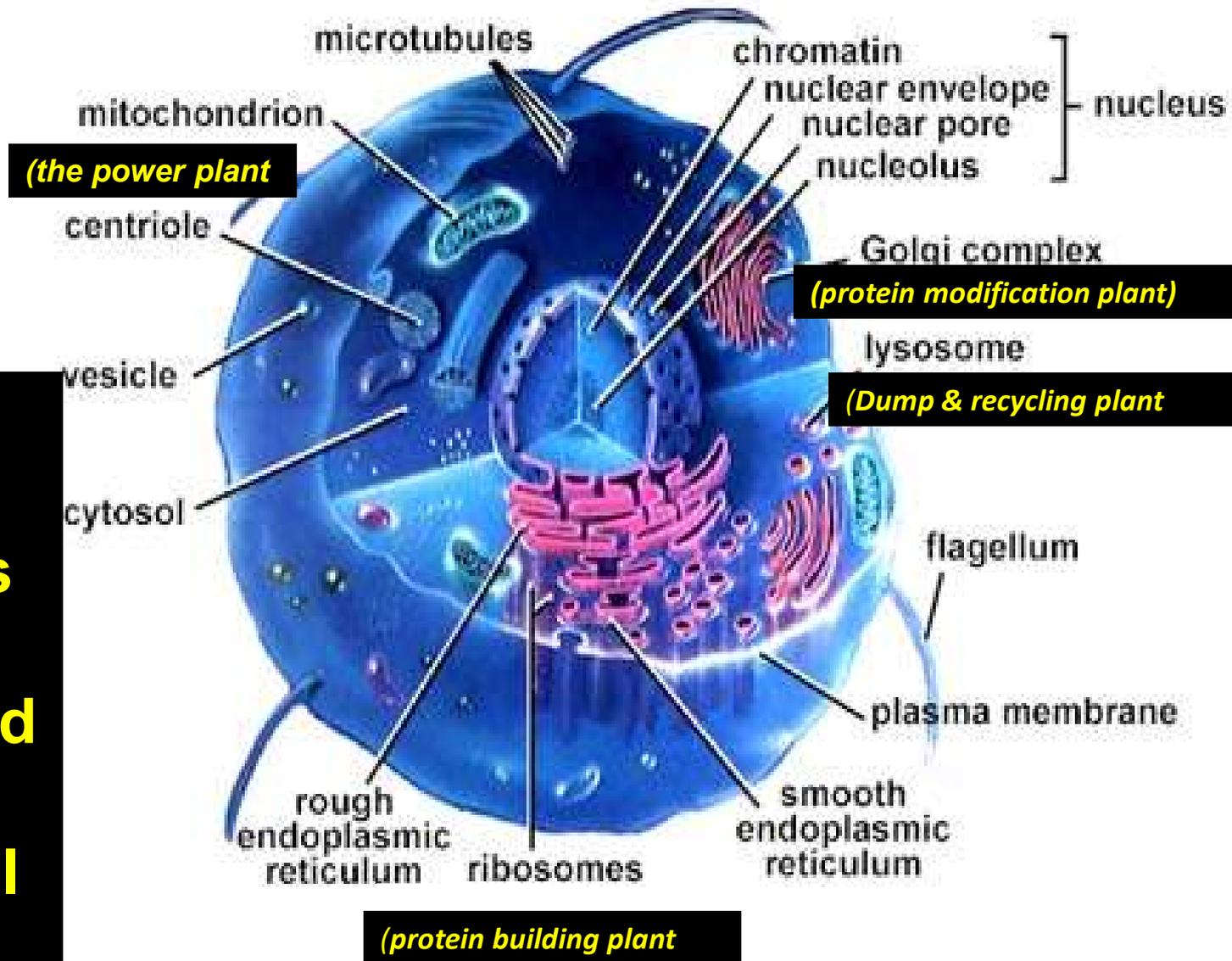
Self-organization or evidence of Design?

A cell magnified a 1000 million times



Self-organization or evidence of Design?

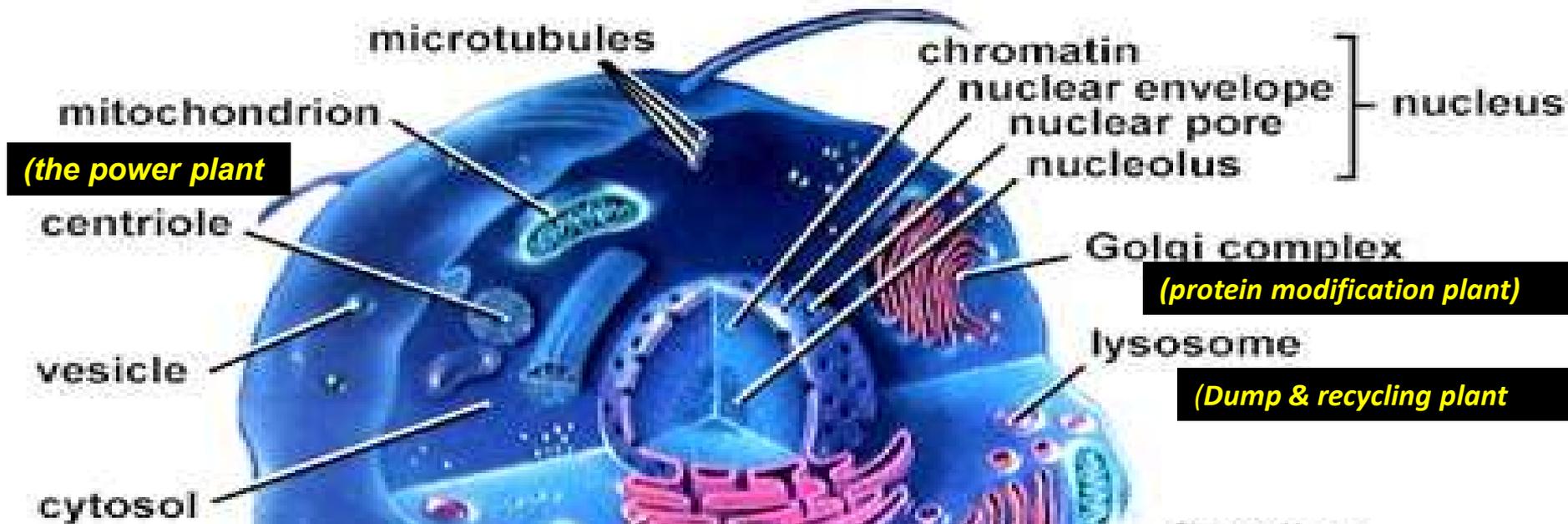
A cell magnified a 1000 million times



Even the simplest of life forms are highly sophisticated pieces of biological machinery.

Self-organization or evidence of Design?

A cell magnified a 1000 million times

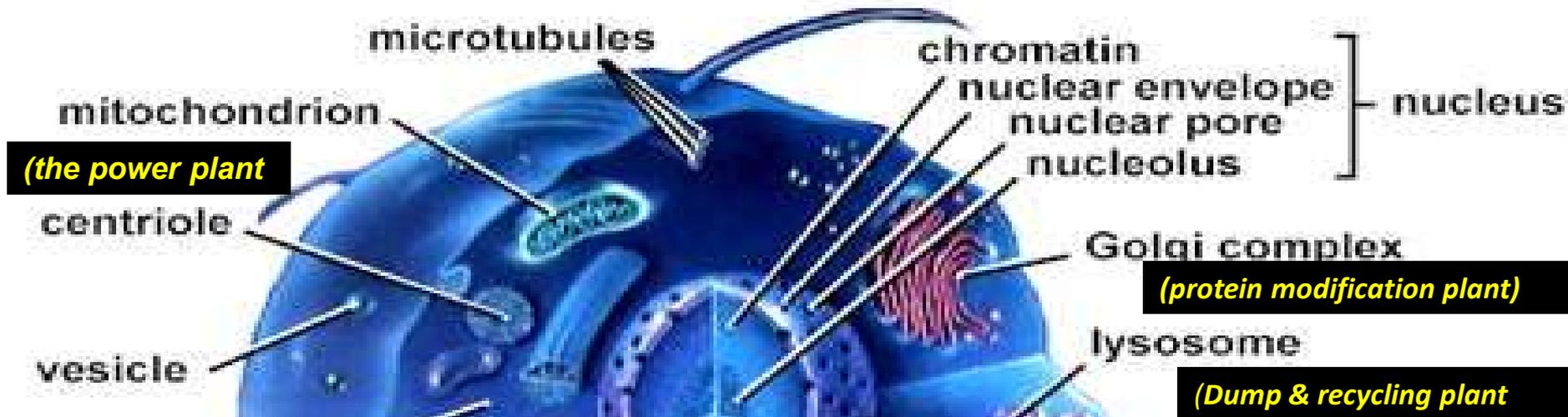


**“Only Over 5 million non-flying parts in Boeing 747
A human body is composed of over 250 different
kinds Of cells (red blood cells, white blood cells,
muscle cells, fat cells, nerve cells, etc.
Billions of non-living parts!!”**

Baldi, 2001, p. 147), Mitochondrion – (the power plant)

Self-organization or evidence of Design?

A cell magnified a 1000 million times



Lysosome - garbage dump (contains enzymes which rip apart degraded molecules for future use)

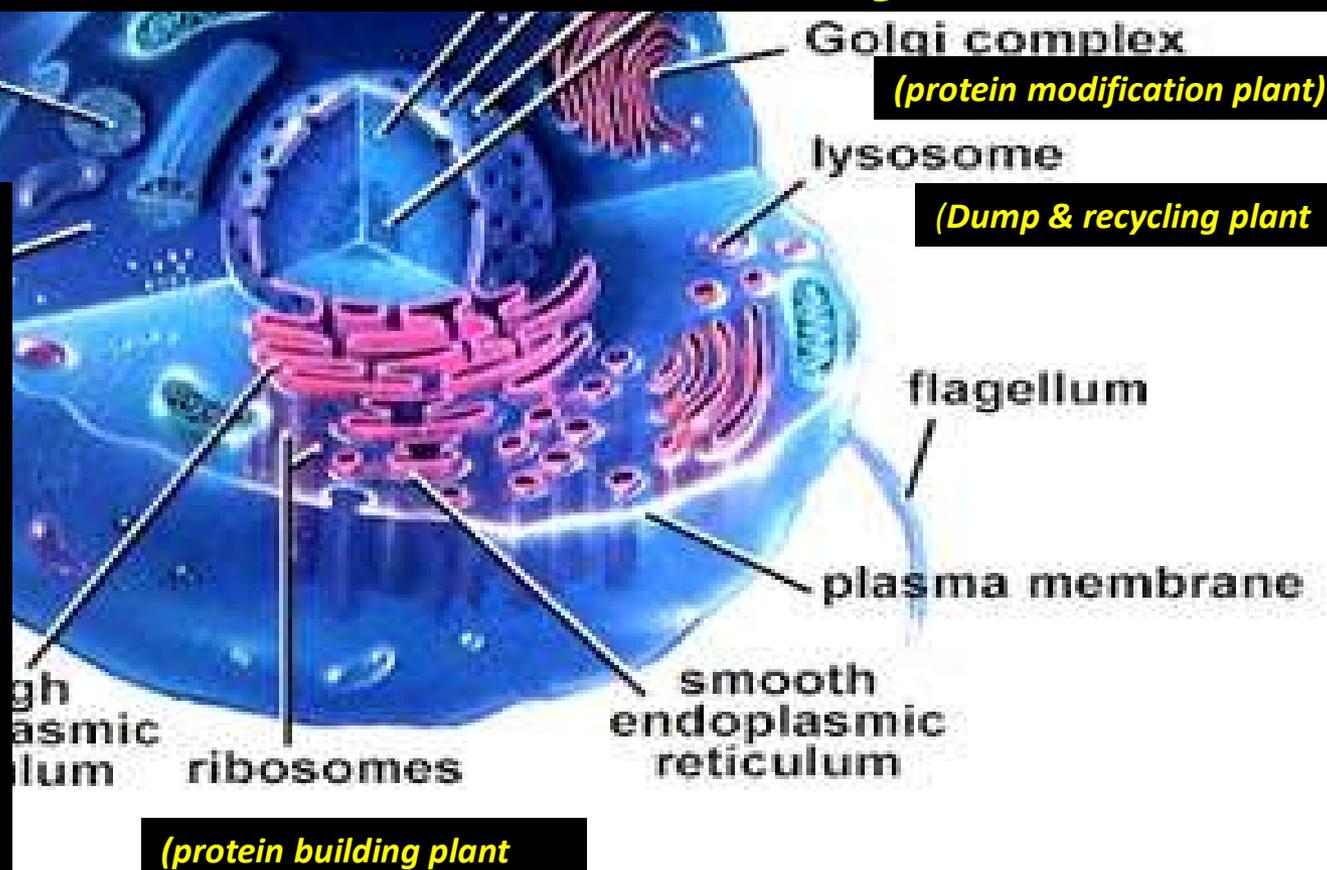
Endoplasmic reticulum's - (rough & smooth) Rough membrane system where the proteins are synthesized – the rough appearance is due to the ribosome's attached to it.
(a ribosome synthesizes proteins)

Golgi complex - proteins are sent here after synthesis for modification.

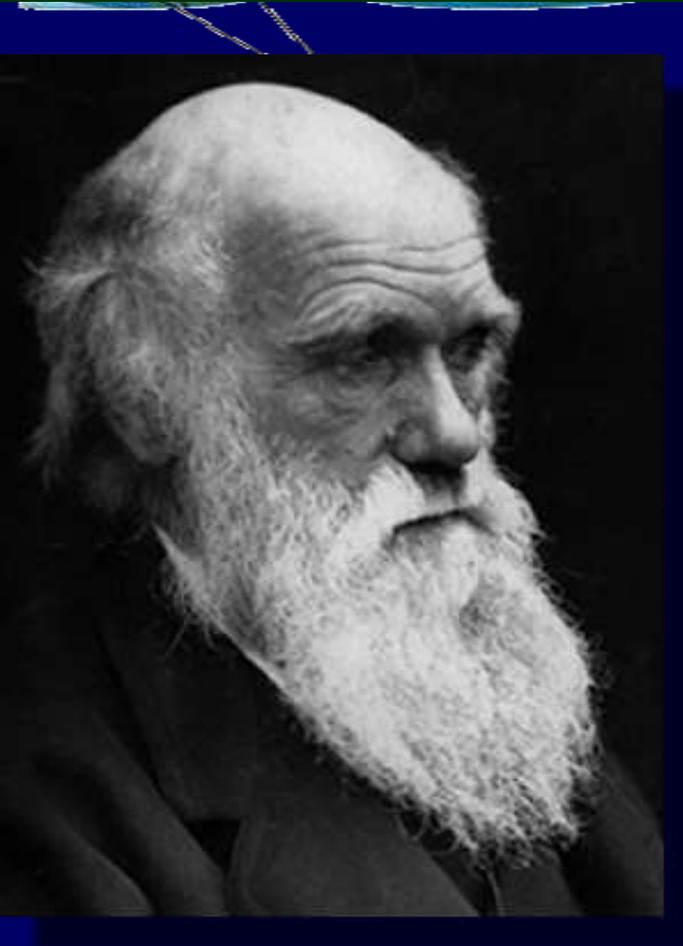
Remember this is supposed to be the simple cell that evolved from the primordial soup which came from gas and rock by accident.

Looks more like a complex mini chemical factory to me.

Even the simplest of life forms are highly sophisticated pieces of biological machinery.



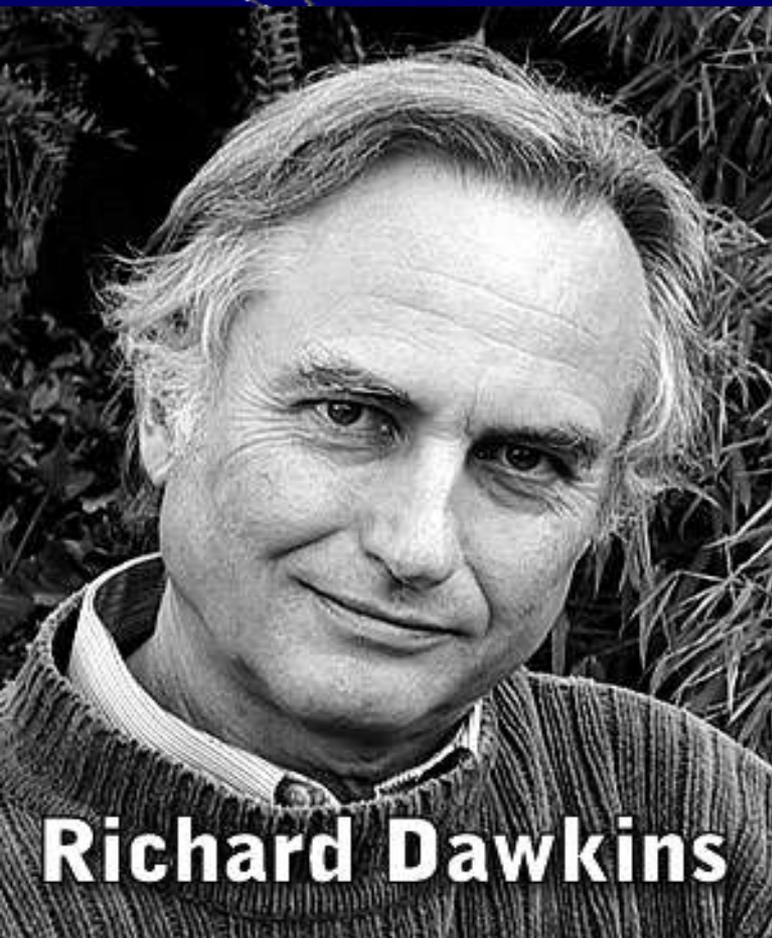
“The information content of a simple cell has been established as around 10¹² bits, comparable to about a hundred million pages of the Encyclopaedia Britannica” (22:966) (1997), “Life,”



“If it could be demonstrated that any complex organ existed which could not possibly have formed by numerous, successive, slight modifications, my theory would absolutely break down.”

(Charles Darwin, Origin of Species, 6th ed.
1998: New York Univ. Pres - p154

IRREDUCIBLE COMPLEXITY . . .



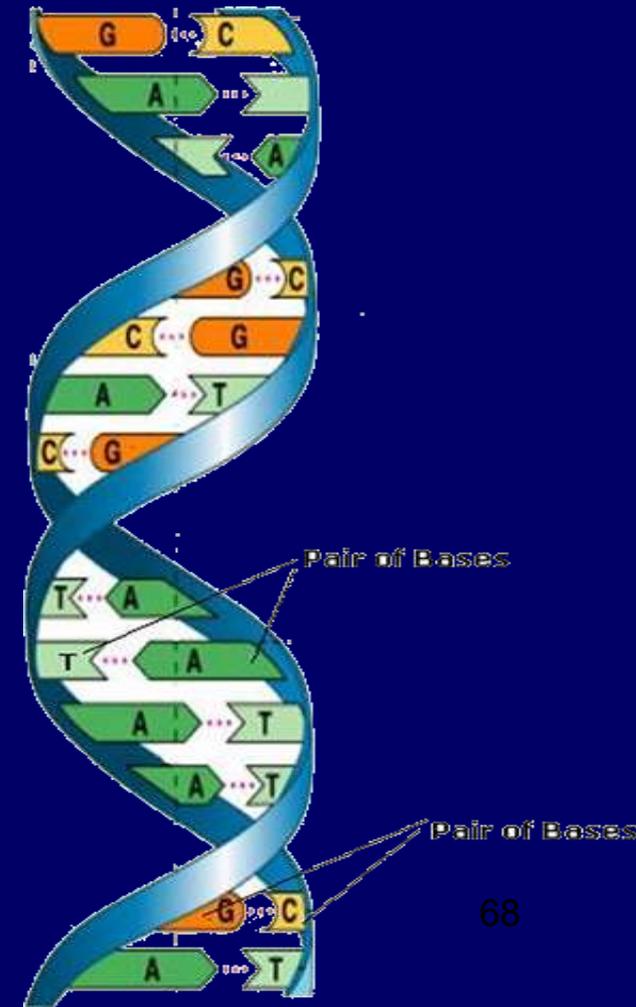
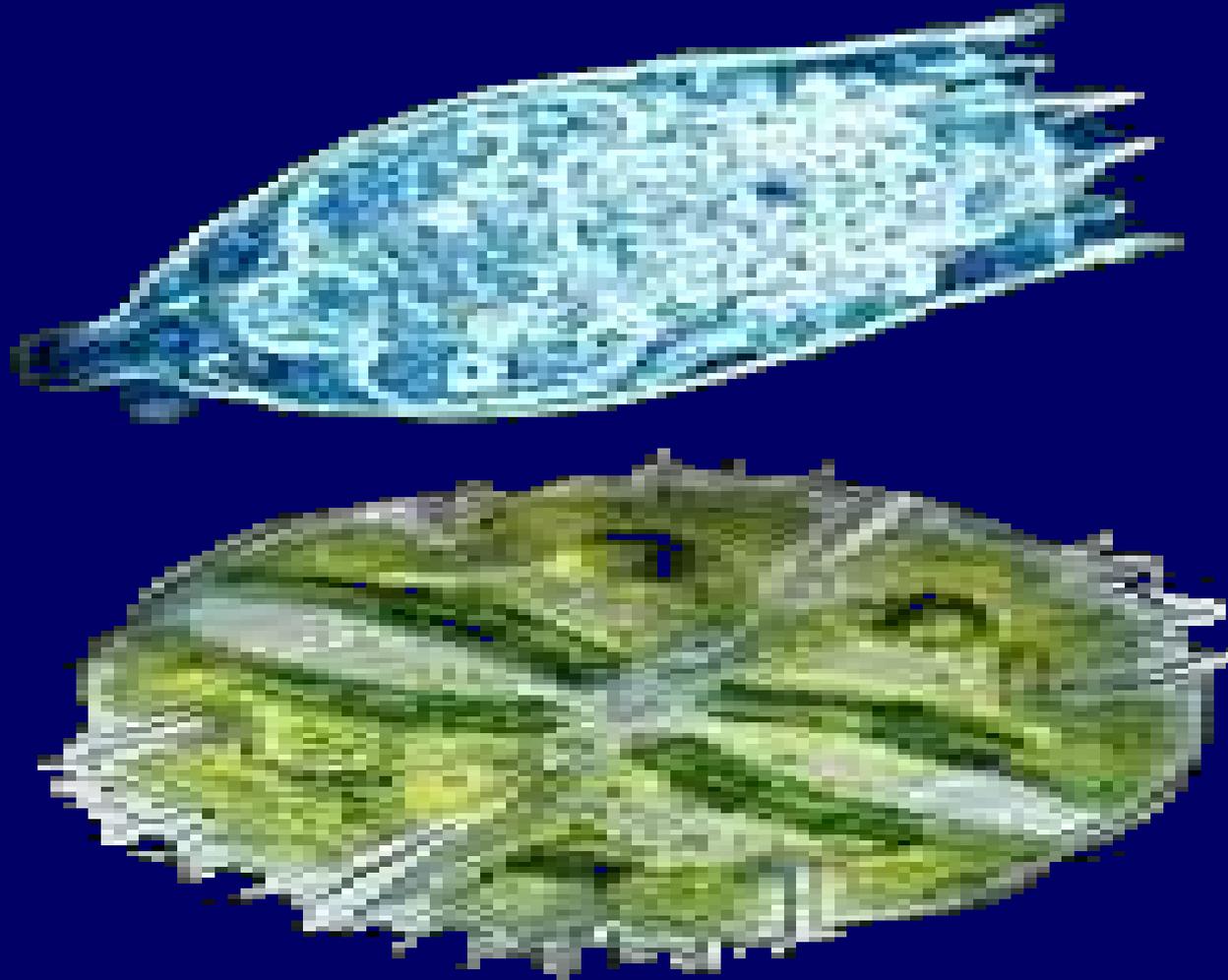
Richard Dawkins

**“The cell’s nucleus
“contains a digitally coded
database larger,
in information content,
than all 30 volumes of the
Encyclopedia Britannica put
together. And this figure is
for **EACH CELL**, not all the
cells of a body put together”**

(1986, *The Blind Watchmaker* (New York: W.W. Norton pp. 17-18, emp. in orig.).

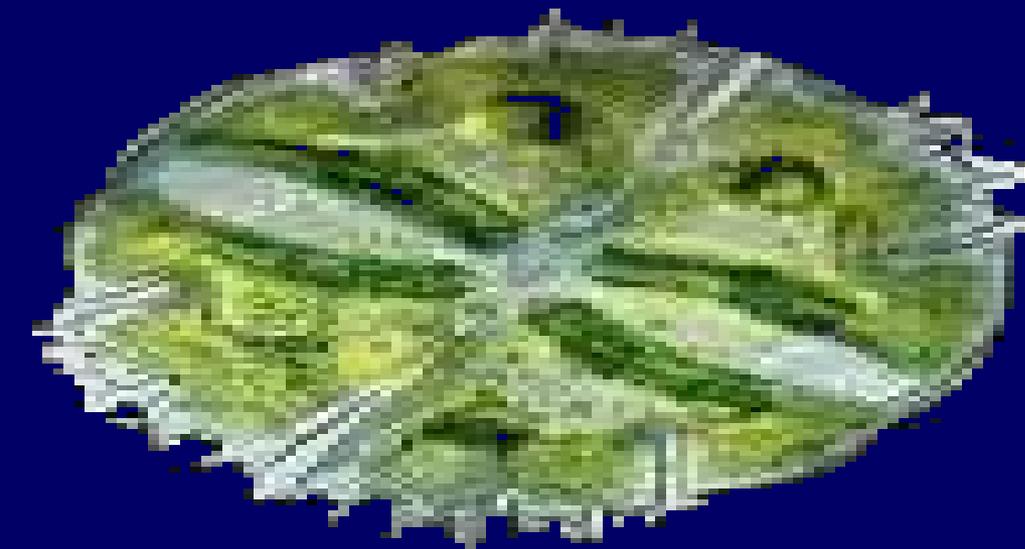
IRREDUCIBLE COMPLEXITY . . .

Every living cell contains DNA,
the program which **describes** every aspect of
the organism's physical design and life functions.



IRREDUCIBLE COMPLEXITY . . .

**Every living cell contains DNA,
The life functions Include:-**

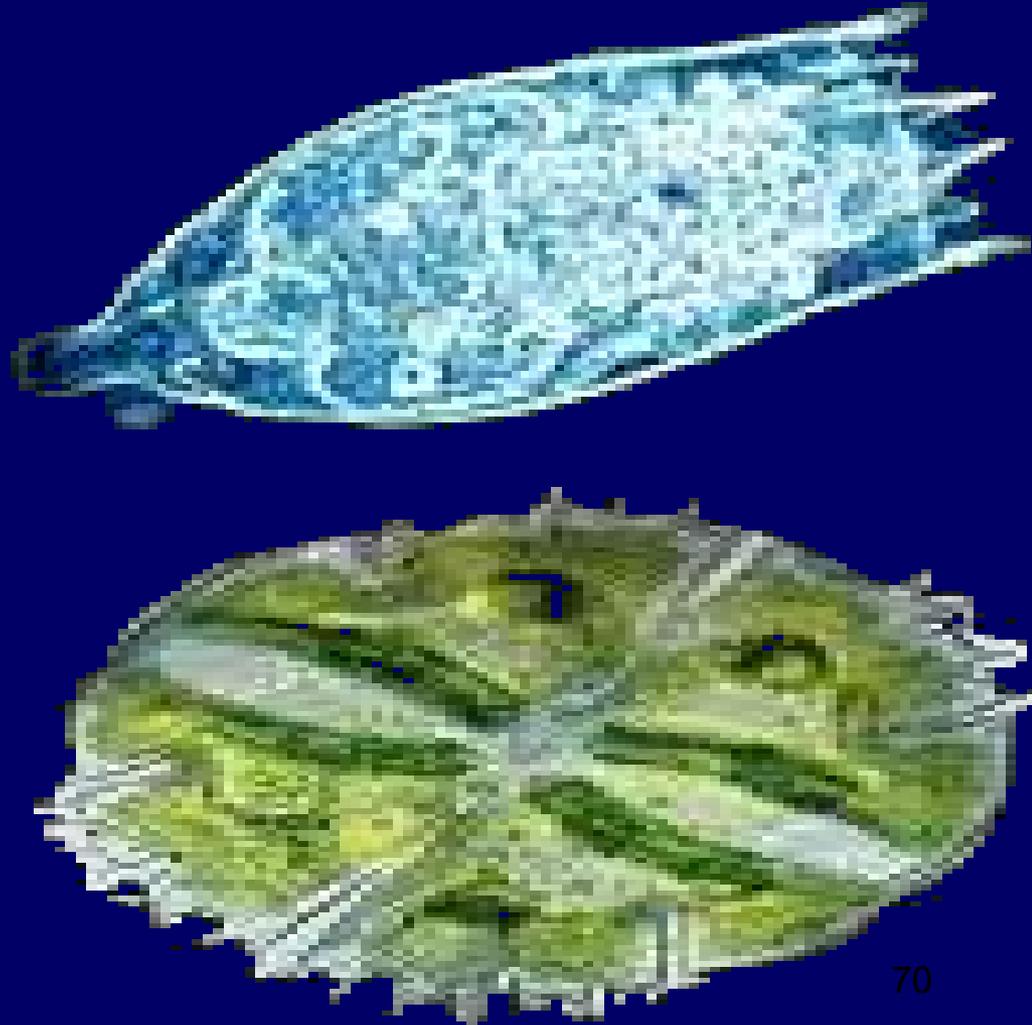


**Ingestion & digestion.
conversion to energy.
excretion of waste.
respiration.
reproduction.
circulation.
Growth.
Sight – (the eye).
locomotion.
regulation.
response to stimuli.**

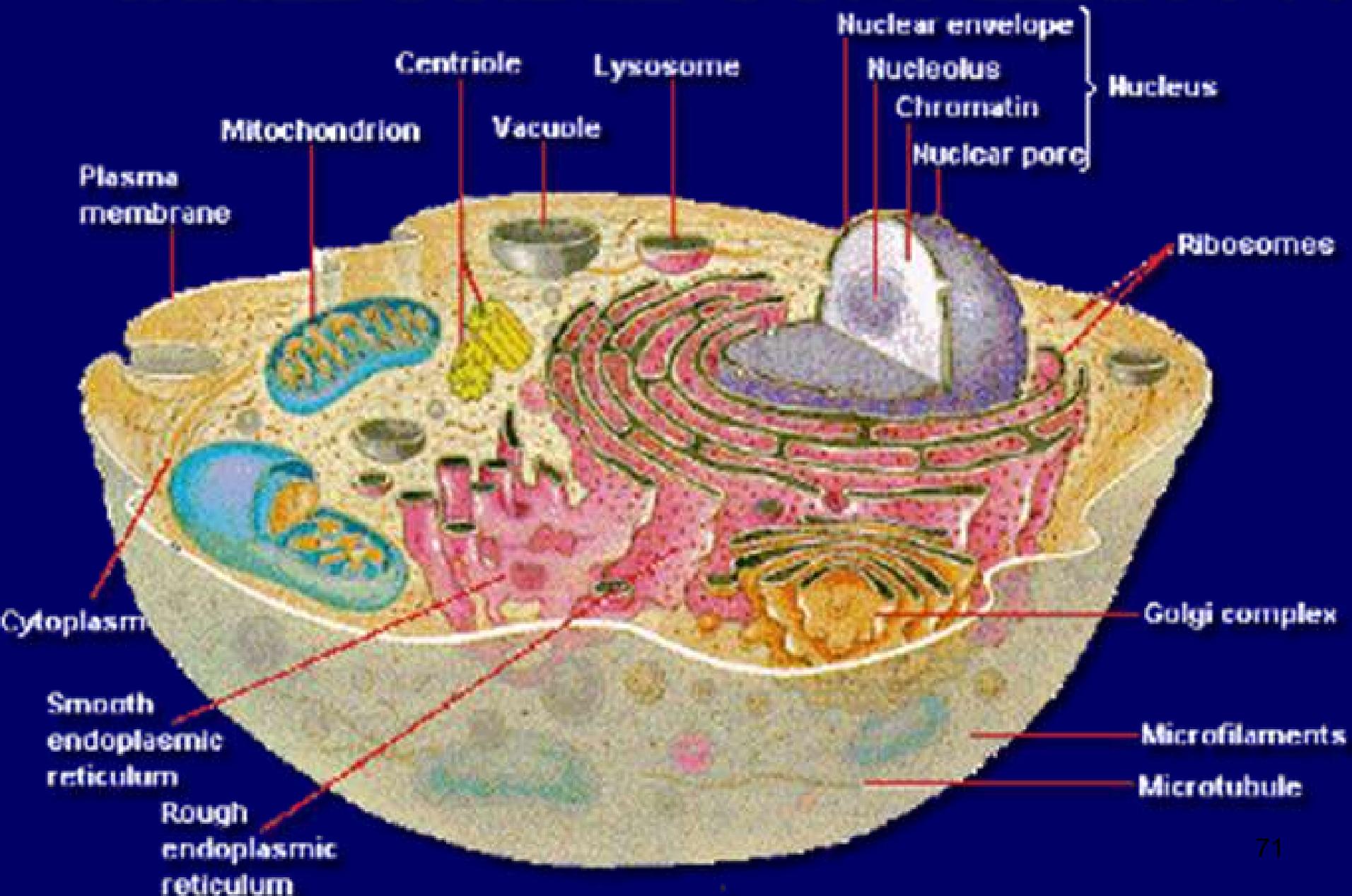
IRREDUCIBLE COMPLEXITY . . .

Every living cell contains DNA,
The life functions Include:-

A **cell** would not really be "**alive**" or survive **unless all life functions became operable at once**, so how did even a "**simple**" single-celled organism "**evolve**"?



IRREDUCIBLE COMPLEXITY . . .

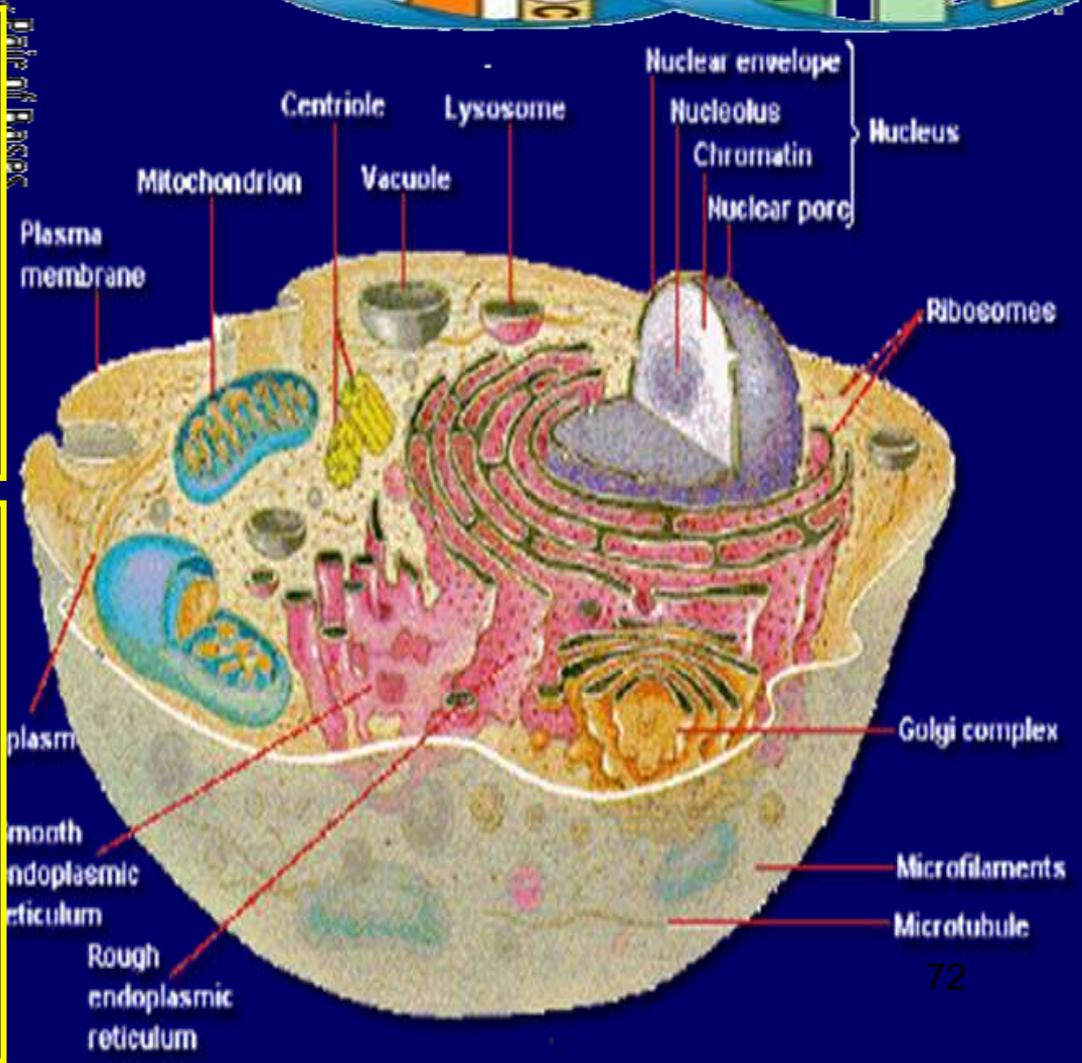


IRREDUCIBLE COMPLEXITY . . .



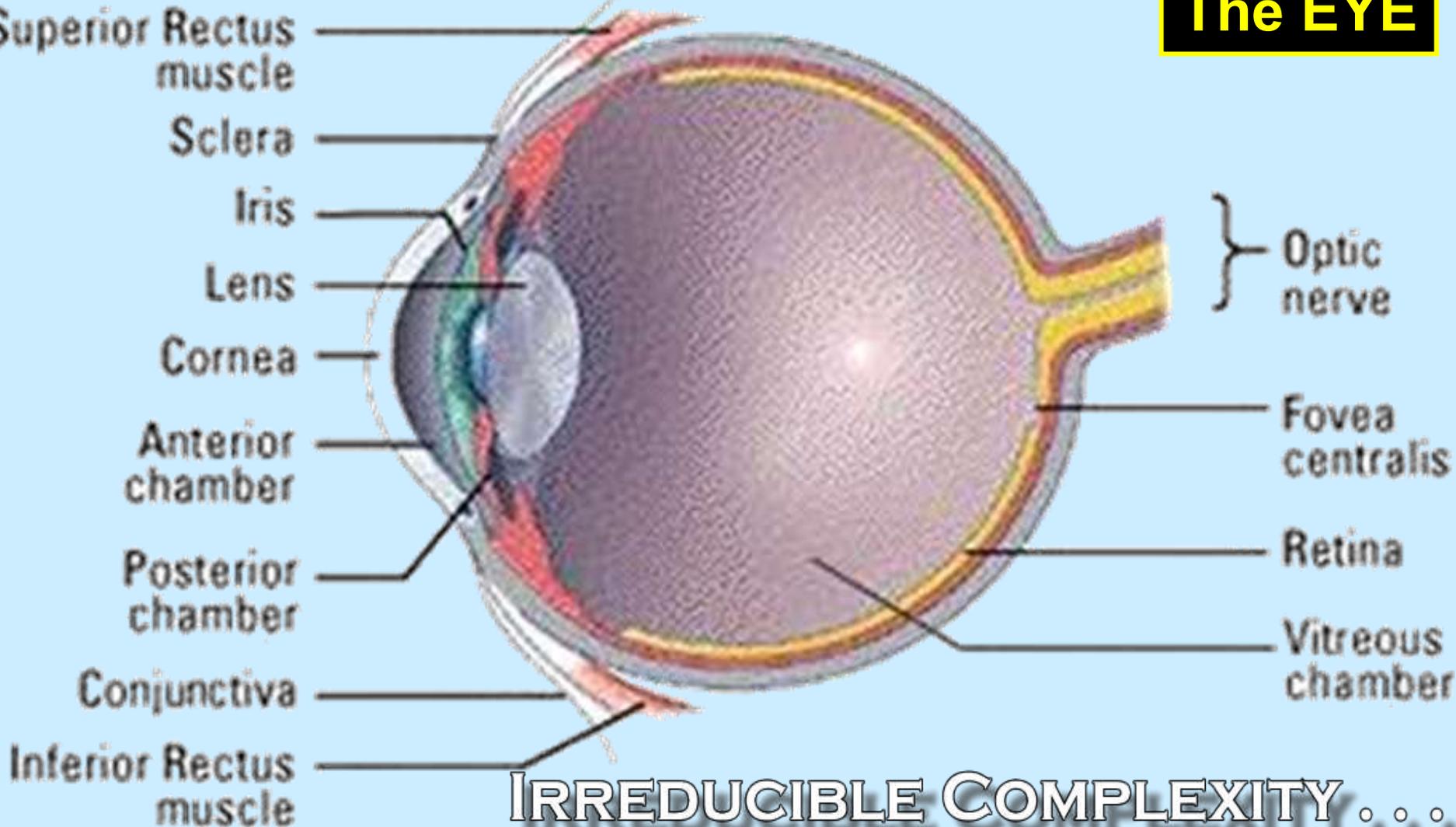
We're told that finding or creating a simple molecule of amino acid is evidence of "life,"

yet DNA of even a simple E. coli bacteria cell contains 4.6 million base pairs, or 9.2 million bits of information.



THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

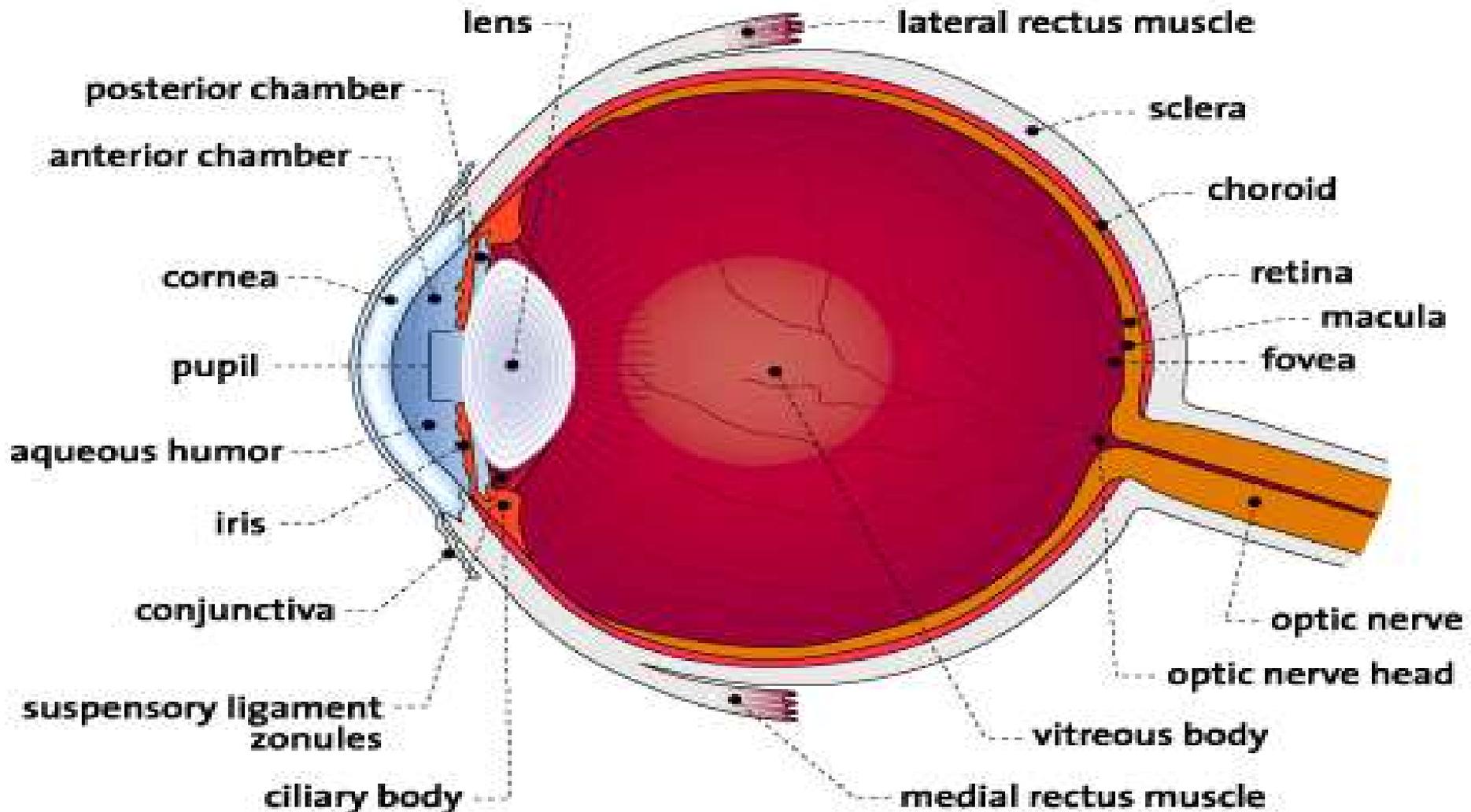
The EYE



IRREDUCIBLE COMPLEXITY...

IRREDUCIBLE COMPLEXITY . . .

Parts of The EYE as SEEN from above



IRREDUCIBLE COMPLEXITY . . .

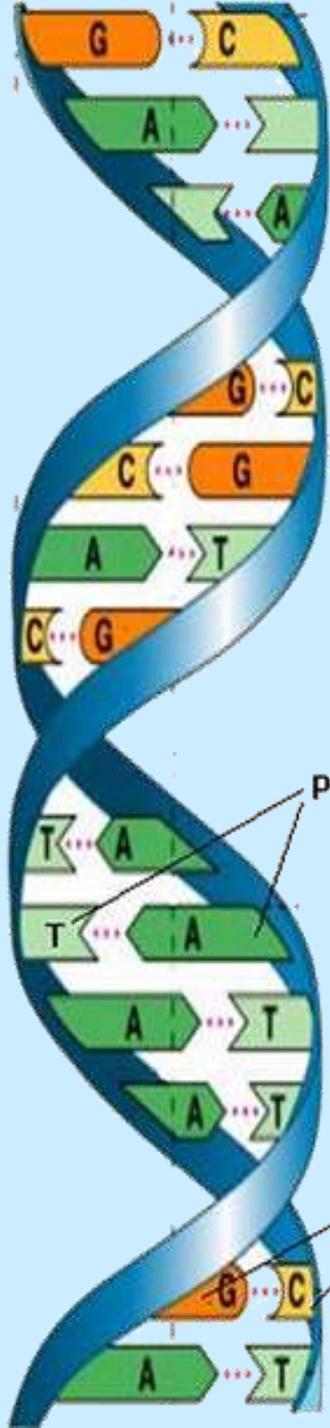


Pair of bases



Stephen Jay Gould
Biologist & paleontologists
A Harvard University professor
since the age of 26,, died
Tuesday, 21 May, 2002

“What good is 5 per cent of an eye? . . . An ancient animal with 5% of an eye might indeed have used it for something other than sight, but it seems to me as likely that it used it for 5% vision .”



Cytosine 

Guanine 

Adenine 

Thymine 

DNA: Instruction Manual for All Life

The letters representing the bases form the "code of life"

The double-stranded DNA molecule is held together by four chemicals called bases.

These are cytosine (C), guanine (G) adenine (A), and thymine (T).

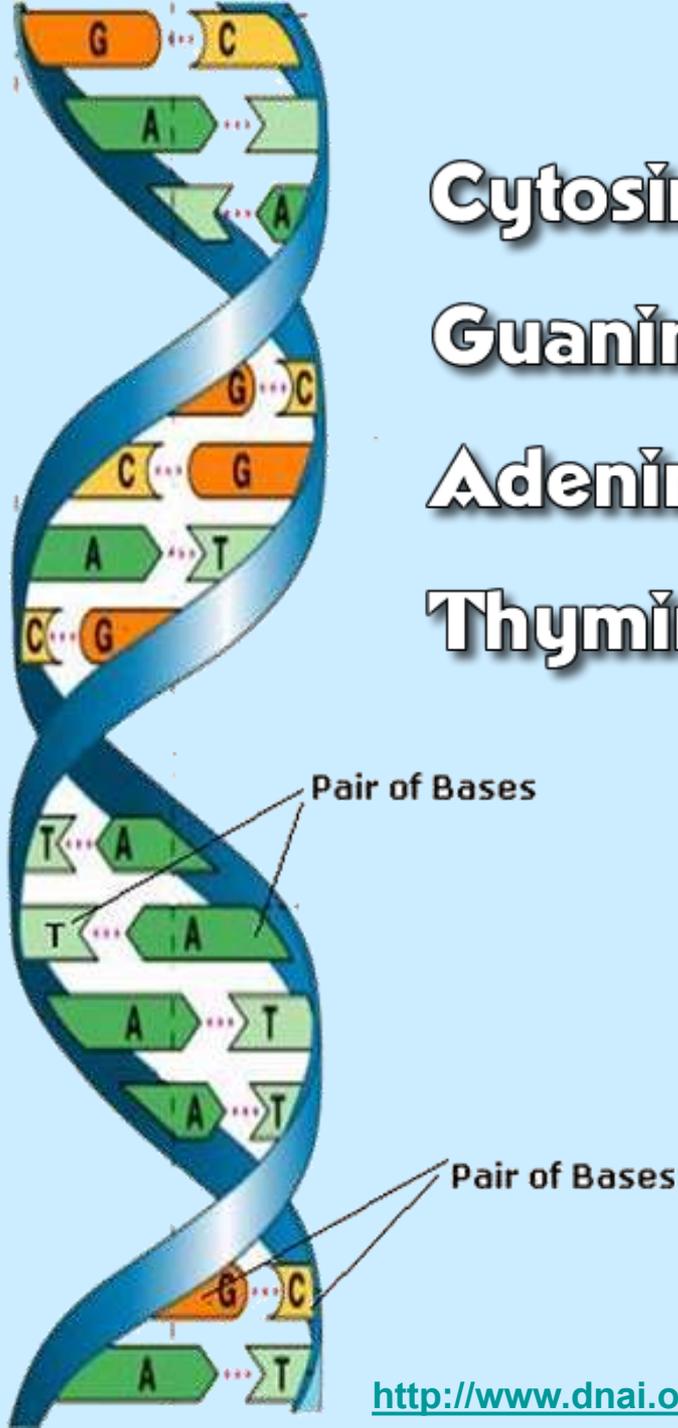
DNA: Instruction Manual for All Life

Cytosine 

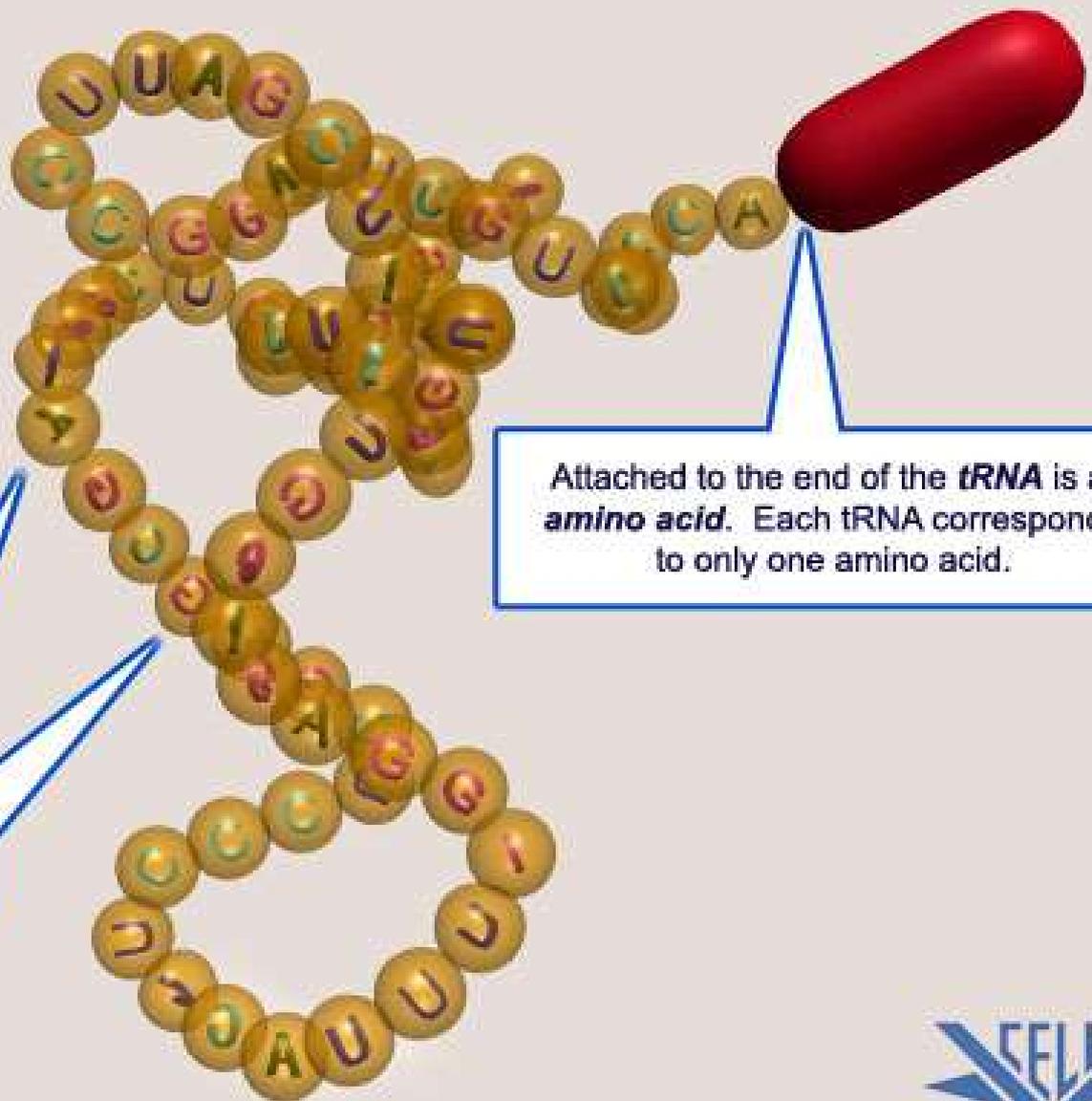
Guanine 

Adenine 

Thymine 

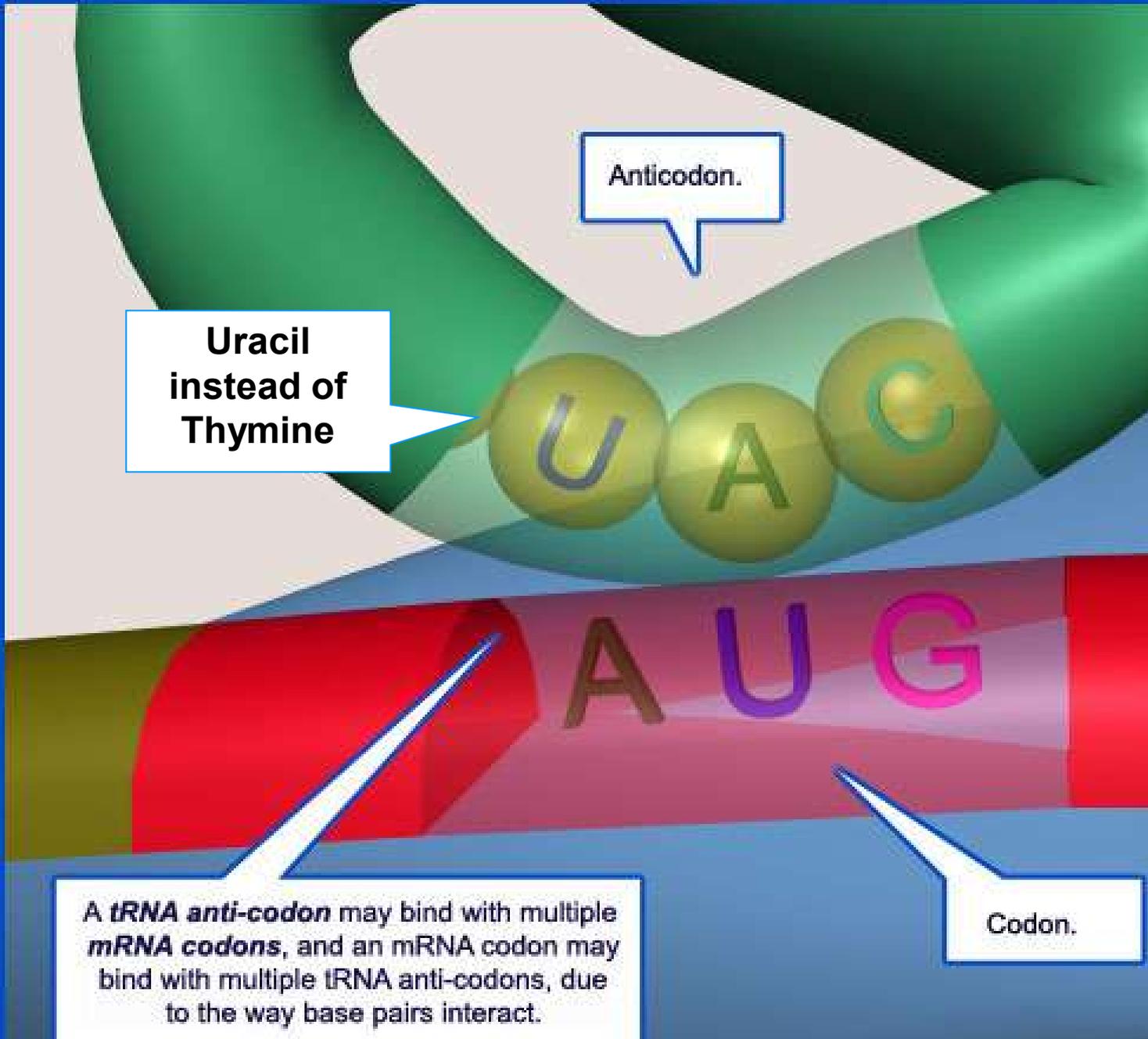


DNA is the **template** that **stores** the **information**, and the **messenger RNA** is a **copy** that **transfers** the **information** to the **protein-making machinery**.



Attached to the end of the *tRNA* is an *amino acid*. Each *tRNA* corresponds to only one amino acid.

tRNA is composed of a string of bases, as is the *mRNA*.



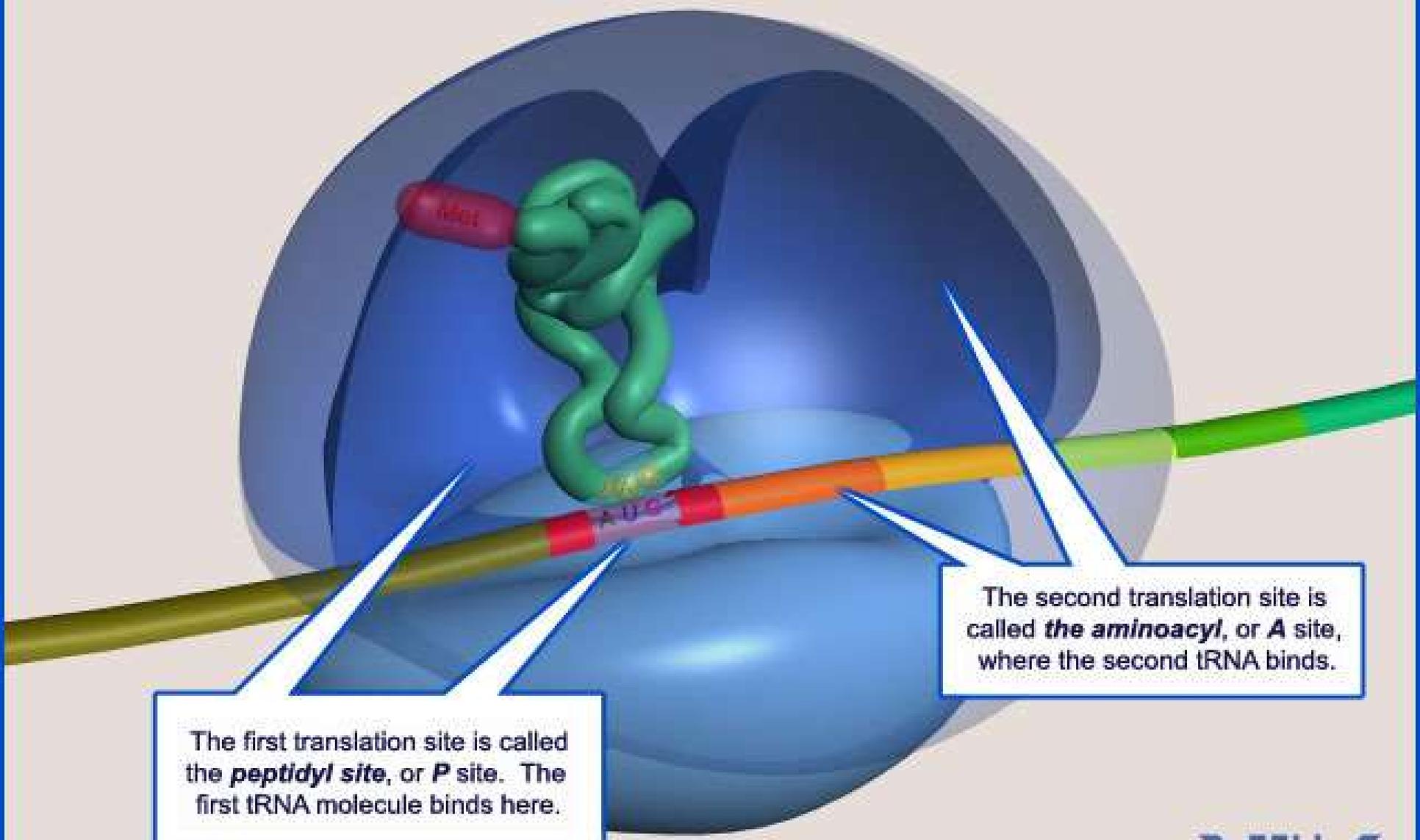
Uracil instead of Thymine

Anticodon.

A tRNA anti-codon may bind with multiple mRNA codons, and an mRNA codon may bind with multiple tRNA anti-codons, due to the way base pairs interact.

Codon.

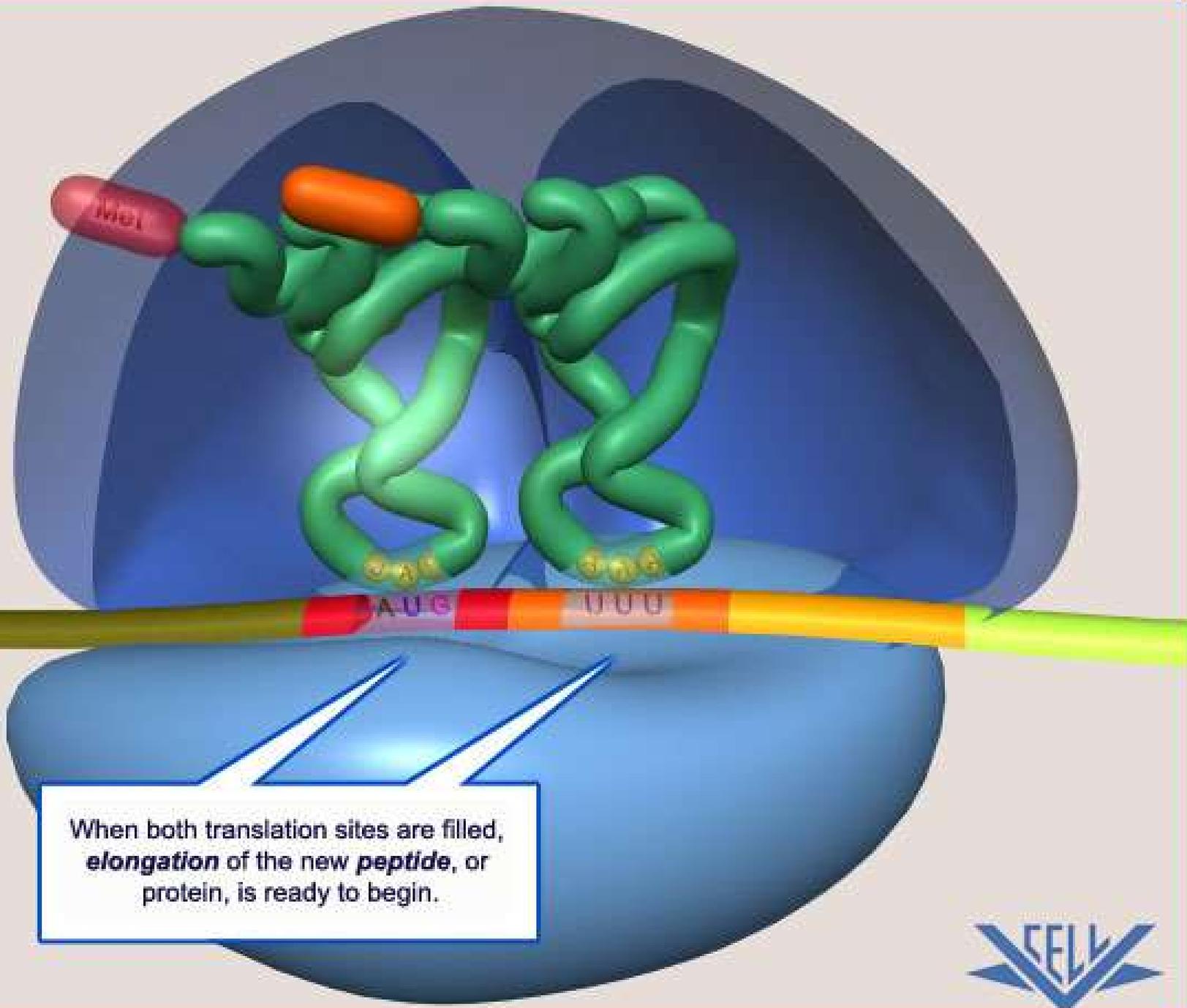
Proteins are made up of 20 different building blocks known as amino acids. **Information must be stored in the sequence of the DNA nucleotides to recognize the different amino acids.**



The first translation site is called the *peptidyl site*, or *P site*. The first tRNA molecule binds here.

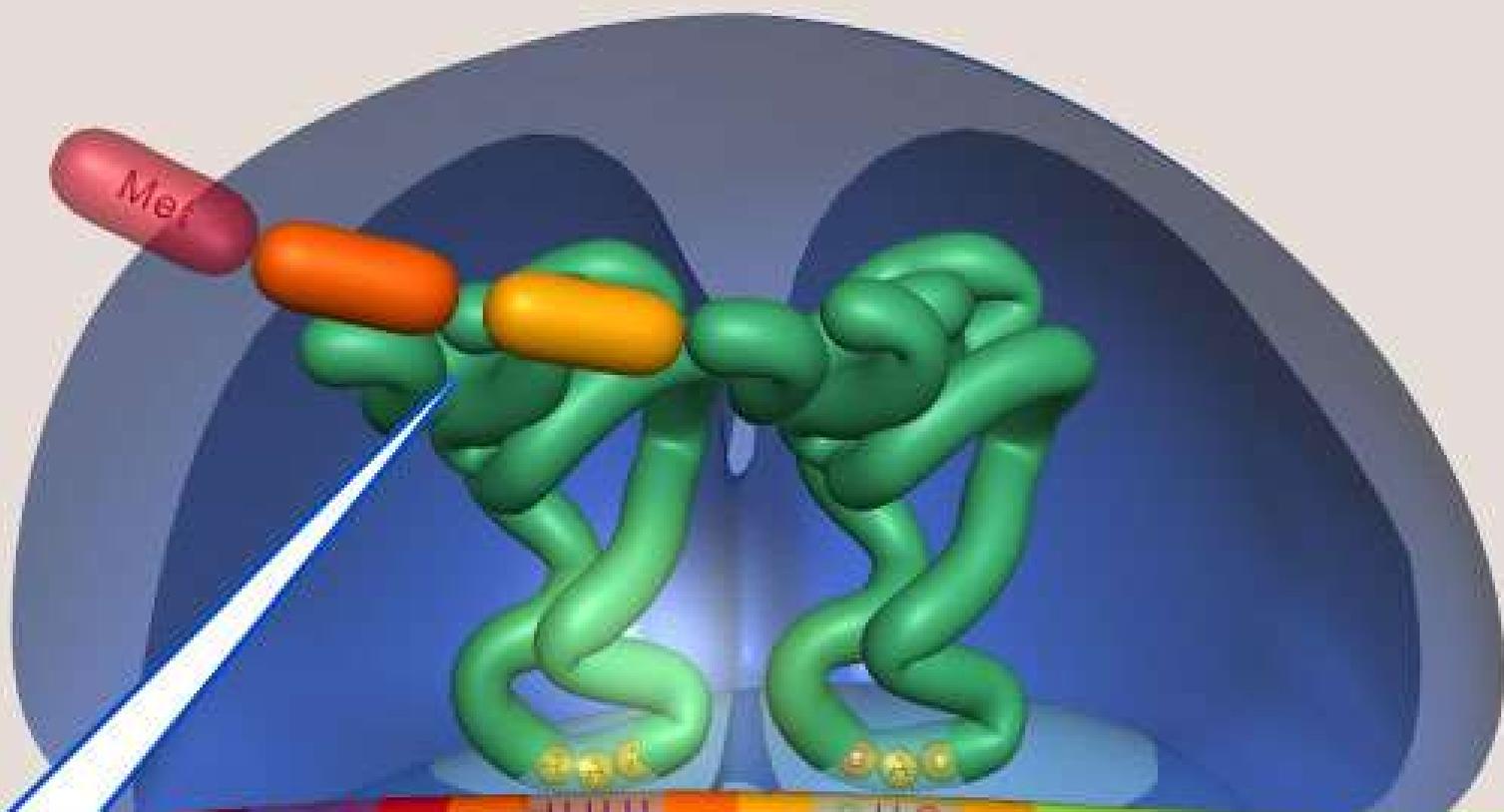
The second translation site is called *the aminoacyl*, or *A site*, where the second tRNA binds.





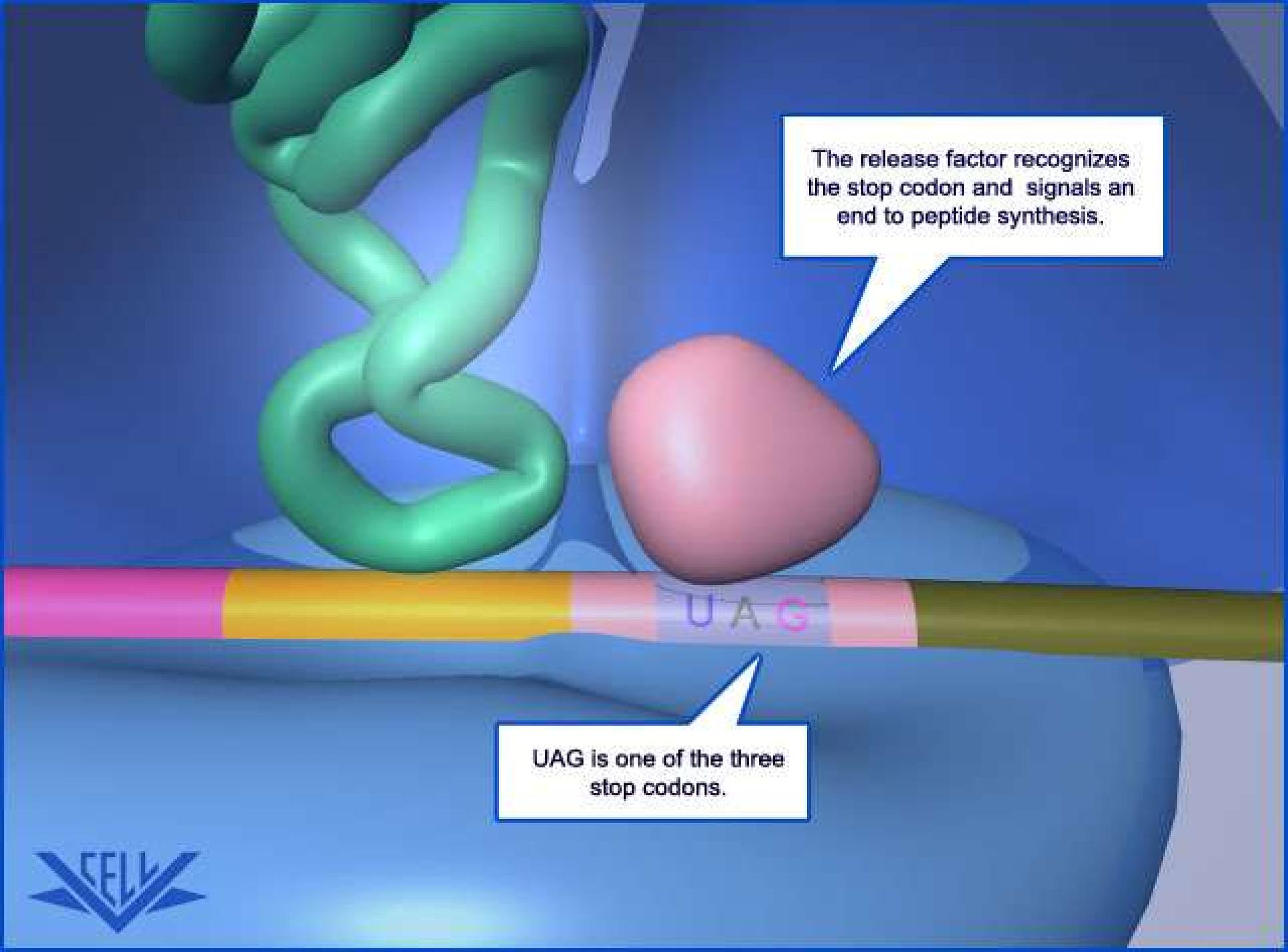
When both translation sites are filled, **elongation** of the new **peptide**, or protein, is ready to begin.





After the first *tRNA* exits, the ribosome moves along the mRNA strand, towards the 3' end. A new *tRNA* then enters the ribosome and the *amino acids* attached to the second *tRNA* are transferred to the end of the amino acid on the new *tRNA* molecule.

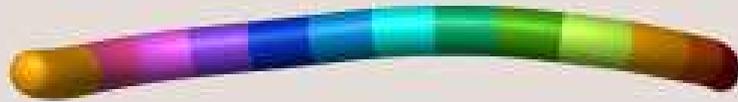


A 3D diagram of a ribosome. The ribosome is shown in light blue. A green polypeptide chain is attached to the ribosome. A tRNA molecule is positioned in the ribosome, with its anticodon loop containing the stop codon UAG. The UAG codon is highlighted in purple, green, and pink. A pink speech bubble points to the UAG codon, and a white speech bubble points to the tRNA molecule.

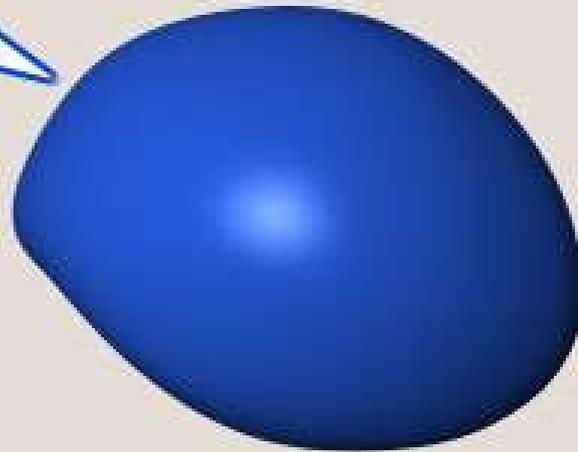
The release factor recognizes the stop codon and signals an end to peptide synthesis.

UAG is one of the three stop codons.





The release factors are also responsible for promoting the dissociation of the the ribosomal subunits, terminal tRNA, and mRNA. This frees the different parts for a new cycle of protein synthesis.



IRREDUCIBLE COMPLEXITY . . .

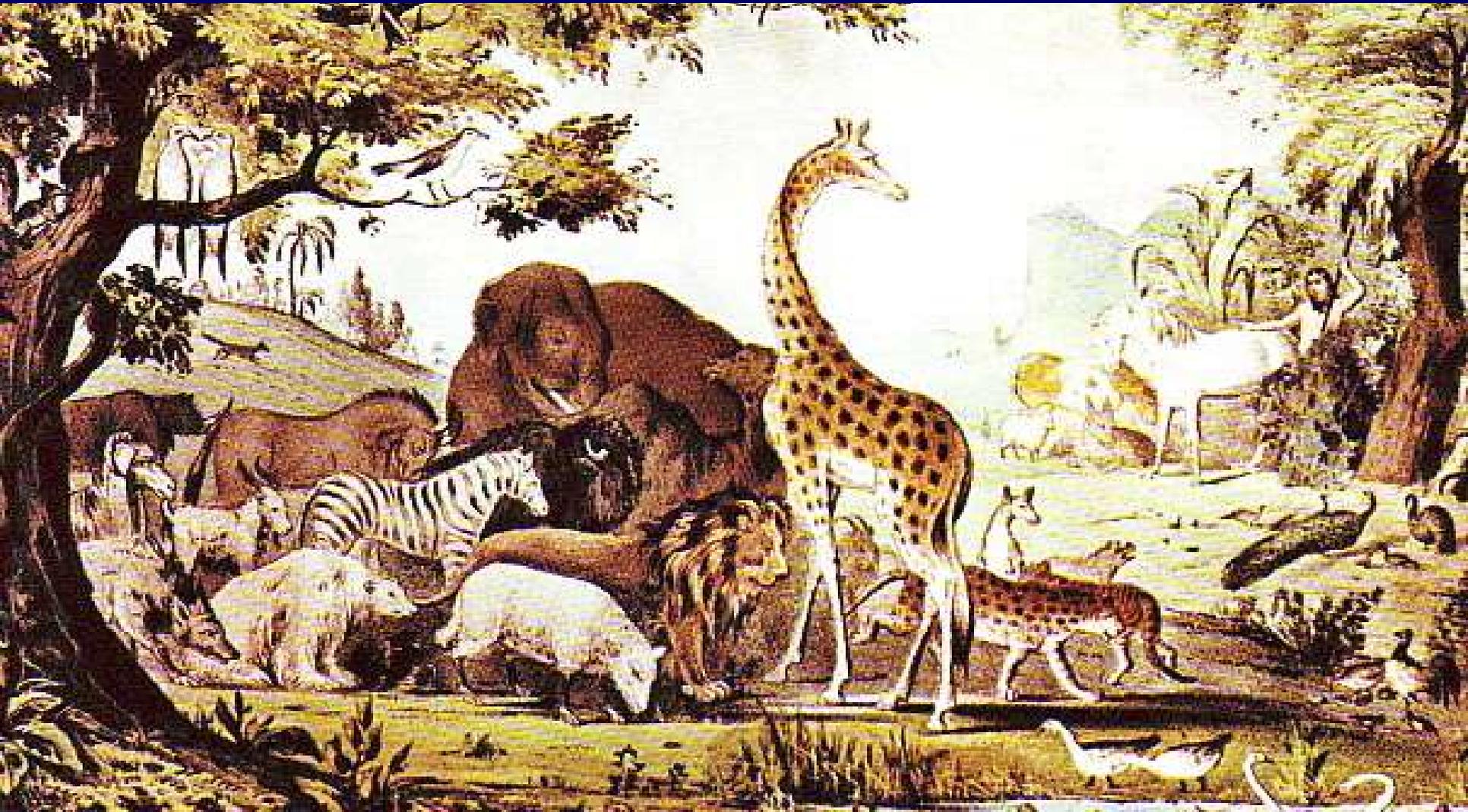


**If you go to a certain combination of the string
and pick out some of the Information
you would PRODUCE a PIG.**

**If you then went to another part of the string
and picked out some more Information
you would PRODUCE an ELEPHANT.**

**ALL THE INFORMATION to make Any animal
combination is ALREADY HELD in the string.**

**One reason that evolution cannot be true
it goes against the Law of Biogenesis.
Bible says Kind produces after its kind.**



**In nature we have never seen
a single exception to the
Law of Biogenesis.**



**To get a cow, you must first have a living thing.
But, that living thing cannot be a horse,
a donkey, or a whale. It must be a cow.
To get a rose, you must have a living rose.
To get a lion, you must have a living lion.**

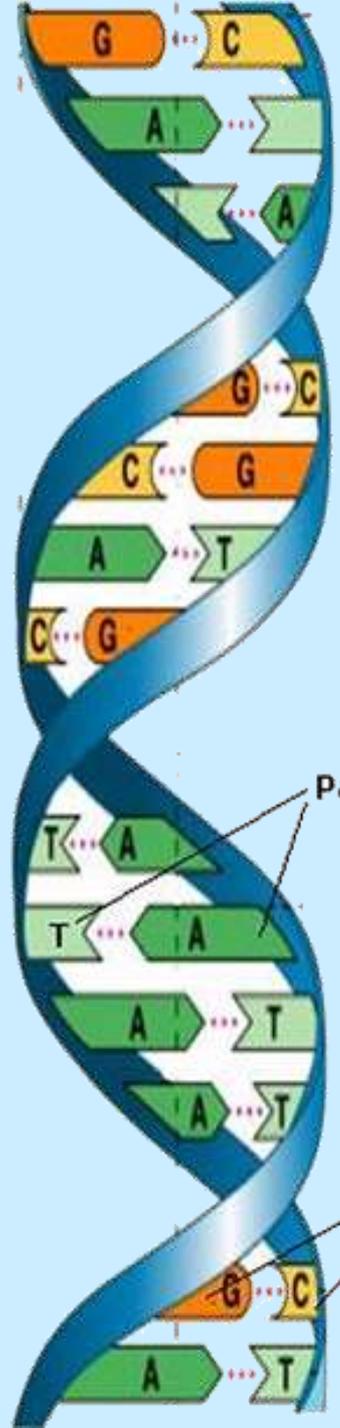
Living things always come from living things;

**Living things produce ONLY
more living things like themselves.**

(same species - Great Dane /Jack Russell)

**In nature, we never have seen a single exception
to this basic law of science.**

**Living things on the Earth were created
by a living God Who is supernatural,
which means that He is outside of nature.**



Cytosine

Guanine

Adenine

Thymine

DNA:
Instruction Manual
for All Life

Pair of Bases

<http://www.dnai.org/a/index.html>

Recently they dug up a frozen MAMMOTH. They were able to get DNA from the remains. Then by looking at the DNA String of an ELEPHANT, they found the missing piece of information that produces MAMMOTHS, and are now going to add that DNA to an existing ELEPHANT to try to reproduce MAMMOTHS.

Cytosine 

Guanine 

Adenine 

Thymine 

DNA:
Instruction Manual
for All Life

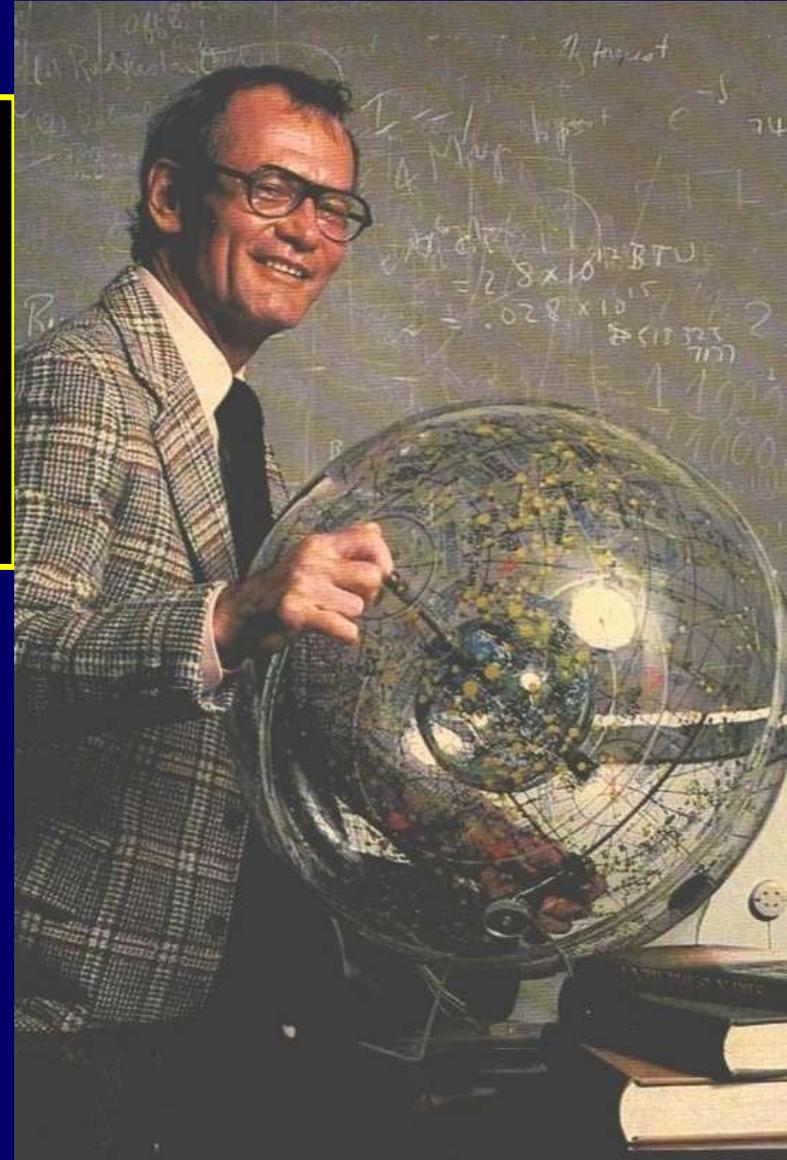
**Just by the way
If MAMOTHS died out
as long ago as they say
The DNA should
no longer be available
as it has a shelf life.
(It disintegrates over time.)**

IRREDUCIBLE COMPLEXITY . . .

Creation & Modern Cosmology

“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 up over the final rock,

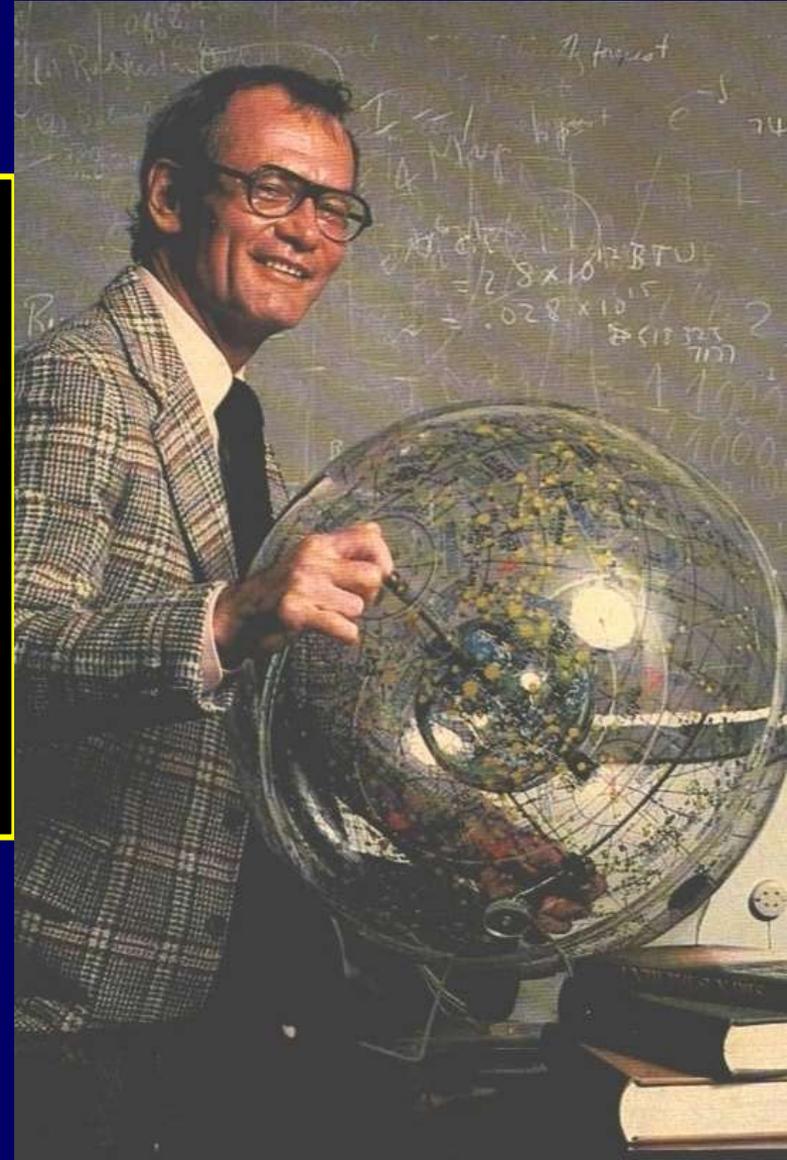


IRREDUCIBLE COMPLEXITY . . .

Creation & Modern Cosmology

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

Robert Jastrow, *God
and the Astronomers*, 116.



THE GOD WE SERVE . . .



THE MOST REASONABLE CAUSE OF LIFE & ITS COMPLEXITIES?

Psalm 92:4-5 (NKJV)

**For You, Lord, have made me glad through
Your work; I will triumph in the works of Your
hands. [5] O Lord, how great are Your works!
Your thoughts are very deep.**

Psalm 104:24 (NKJV)

**O Lord, how manifold are Your works!
In wisdom You have made them all.
The earth is full of Your possessions--**

See Is God The watchmaker Video



**THE GOD
WE SERVE**

Acts 17:22-34

THE GOD WE SERVE

“Made the world and everything in it...”

“is Lord of heaven and earth”

“Does not dwell in temples made with hands”

“is Not worshiped with men’s hands...”

“Made from one blood every nation of men”

“Determined man’s times and the boundaries”

“He is not far from each of us”

**“In Him we live and move
and have our very being.”**

“Spirit – Divine Nature” Acts 17:22-24;

THE GOD WE SERVE

Acts 17:30-31 (NKJV)

Truly, these **times of ignorance**
God overlooked, but now
commands all men everywhere to repent,

because **He has appointed a day on which**
He will judge the world in righteousness
by the Man whom He has ordained

He has given assurance of this to all
by raising Him from the dead."

To have that hope of eternal life:

We need to **BELIEVE** In Jesus

We need to **DIE** with Jesus

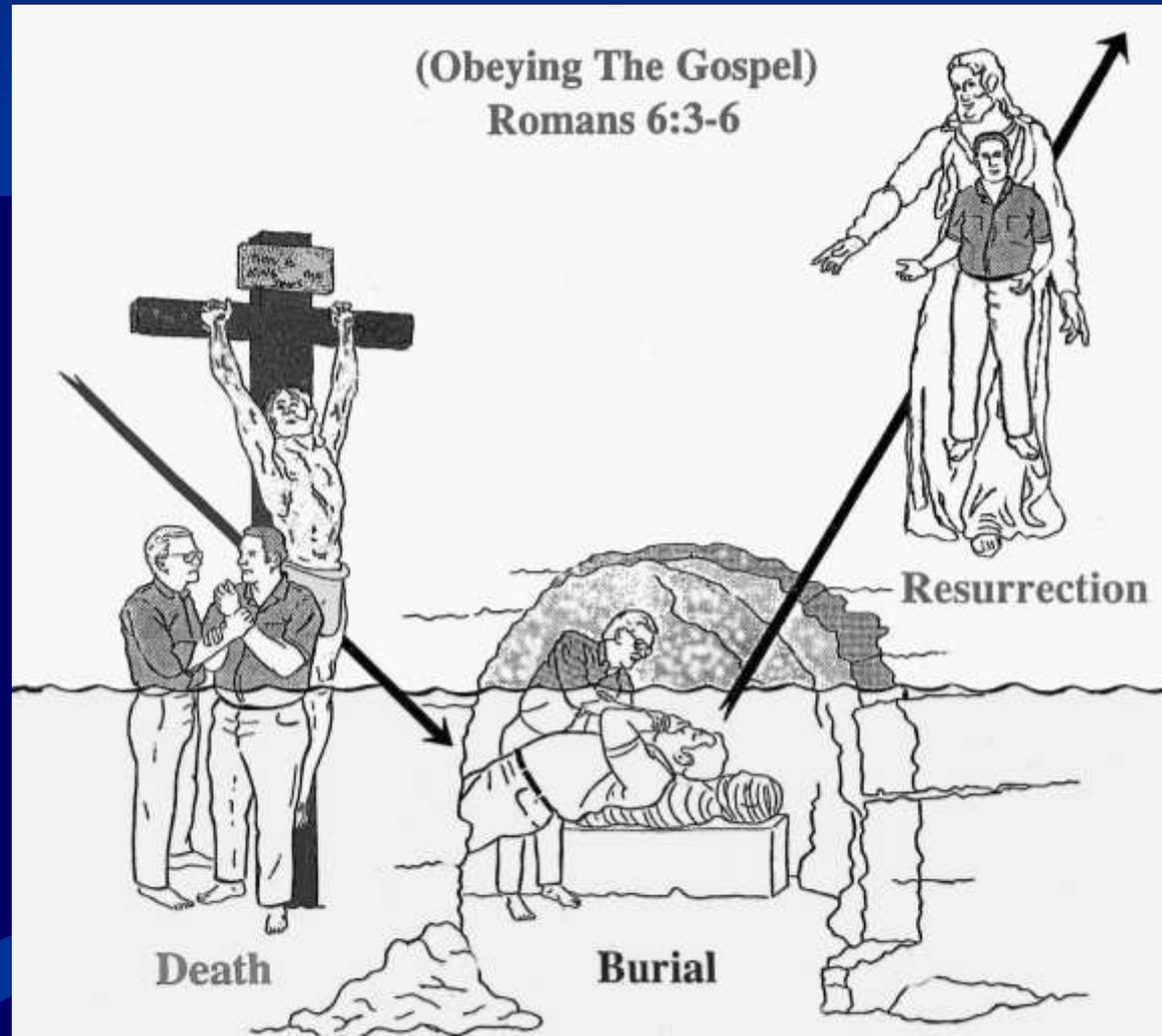
Be **BURIED** with Him in Baptism

If **WE** are **UNITED** with Him

We will be **RAISED** like Him

Rom 6:3-4;

11/10/2020



IS THERE A GOD?

2 of 4

Complexity of life!

**Prepared by
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<https://www.graemebibleresources.com>

**Next in the series IS THERE A GOD? 3 of 4
The Dating of The Ages**