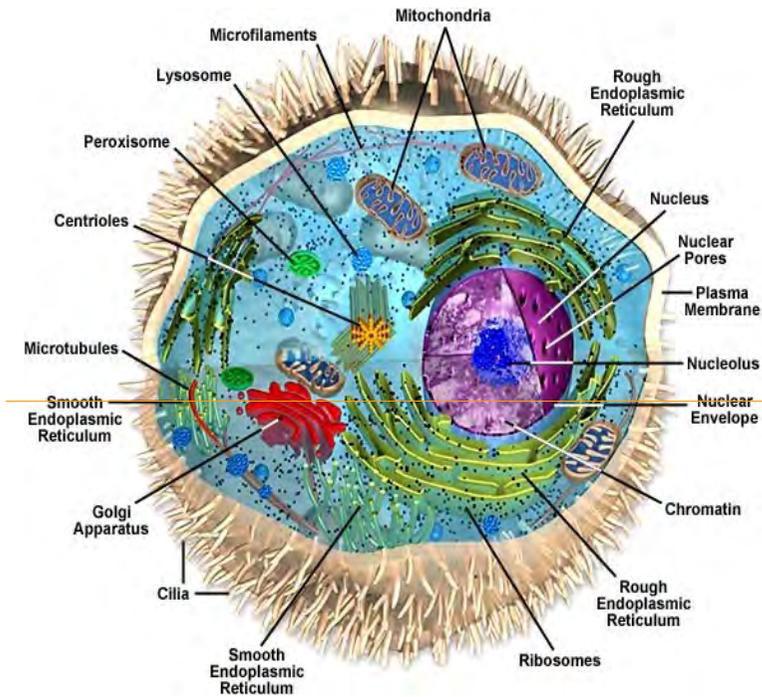


The Origin of Life

Evidence for Creation

Mike Riddle

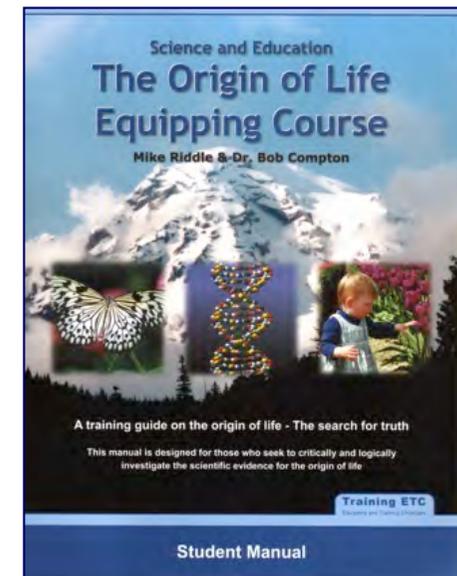
m.riddle@verizon.net
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Topics

- ◆ The issue
- ◆ Attempts to create life
- ◆ The primordial soup
- ◆ Second Law of Thermodynamics
- ◆ Information and complexity





The Issue: Evidence or Faith?

Franklin M. Harold, Professor of Biochemistry and Molecular Biology at Colo State U., *The Way of the Cell*, 2001, p. 236.

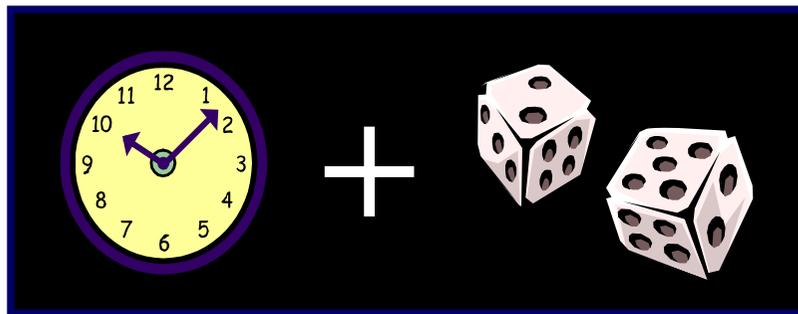
“Life arose here on earth from inanimate matter, by some kind of evolutionary process, about four billion years ago.

This is not a statement of demonstrable fact, but an assumption almost universally shared by specialists as well as scientists in general. It is not supported by any direct evidence, nor is it likely to be, but it is consistent with what evidence we do have.”



The Issue – The Model of Evolution

- ◆ About 4.6 billion years ago the earth formed
- ◆ Chemicals formed in the “primordial soup”
- ◆ Chemicals bonded together to form molecules
- ◆ Molecules bonded together to make a living cell



= Life?



The Issue – The Model of Creation

“For by him were all things created, that are in heaven, and that are in earth, visible and invisible, whether they be thrones, or dominions, or principalities, or powers: all things were created by him, and for him.”

Colossians 1:16

God created all life



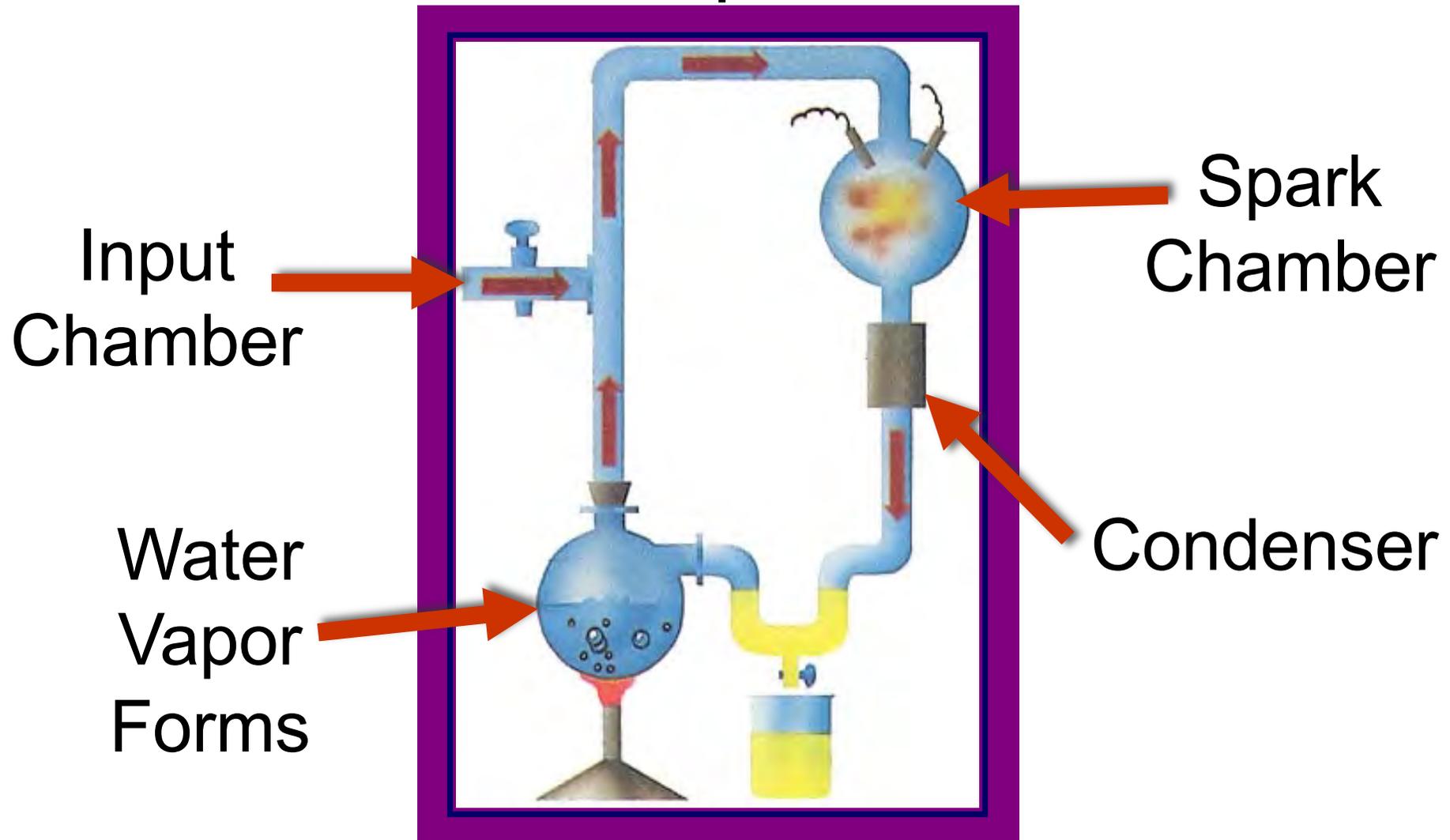
Terminology

- ◆ **Atoms** The basic unit of matter
- ◆ **Molecules** Specific arrangement of atoms (H₂O)
- ◆ **Amino Acids** Specific arrangement of molecules
- ◆ **Proteins** Specific arrangement of amino acids



Attempts to Create Life

Miller Experiment





Textbooks

“As the gases circulated in the chamber, sparks, representing lightning, supplied energy to drive chemical reactions. The experiment generated organic compounds including amino acids - the building blocks of proteins.”

Modern Biology, Holt, Rinehart, Winston, 1993





Critical Thinking

Two things to analyze

1. How did Miller know what gases were in the early earth's atmosphere?
2. Were the amino acids the right type of amino acids for life?



The Atmosphere

The Claim by Evolutionists

The early earth's atmosphere did not contain oxygen.

Critical Thinking Question

Is there any scientific evidence to support this claim, or is it based on a belief in evolution?



The Atmosphere

“New Evidence on Evolution of Early Atmosphere and Life,” *Bulletin of the American Meteorological Society*, Nov, 1982, pp 1329.

“...geologists know from their analysis of the oldest known rocks that the oxygen level of the early atmosphere had to be much higher than previously calculated.

Analysis of these rocks, estimated to be more than 3.5 billion years old, found oxidized iron in amounts that called for atmospheric oxygen to be at least 110 times greater and perhaps up to one billion times greater than otherwise accepted.”



The Atmosphere

Harry Clemmey, Nick Badham, “Oxygen in the Atmosphere: An Evaluation of the Geological Evidence”, *Geology*, Vol 10, March 1982, p. 141.

“There is no scientific proof that Earth ever had a non-oxygen atmosphere such as evolutionists require.

Earth's oldest rocks contain evidence of being formed in an oxygen atmosphere.”



Oxygen and Life

Peter Ward (Ph.D. Geology) and Donald Brownlee (Ph.D. Astronomy), *Rare Earth*, 2000, p. 245.

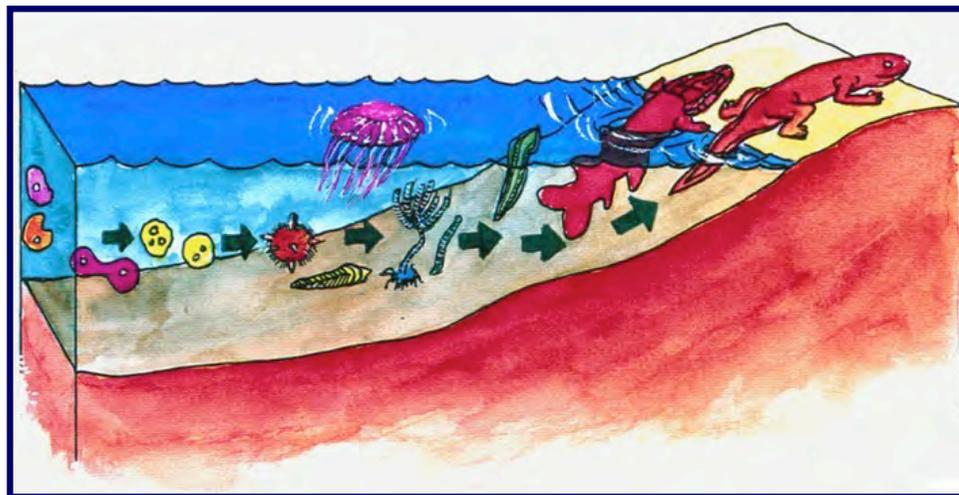
“Oxygen is a poisonous gas that oxidizes organic and inorganic materials on a planetary surface; it is quite lethal to organisms that have not evolved protection against it.”



Origin of Life

- ◆ Life cannot start with oxygen in the atmosphere
- ◆ Life cannot start without oxygen in the atmosphere

Did life start in the ocean?

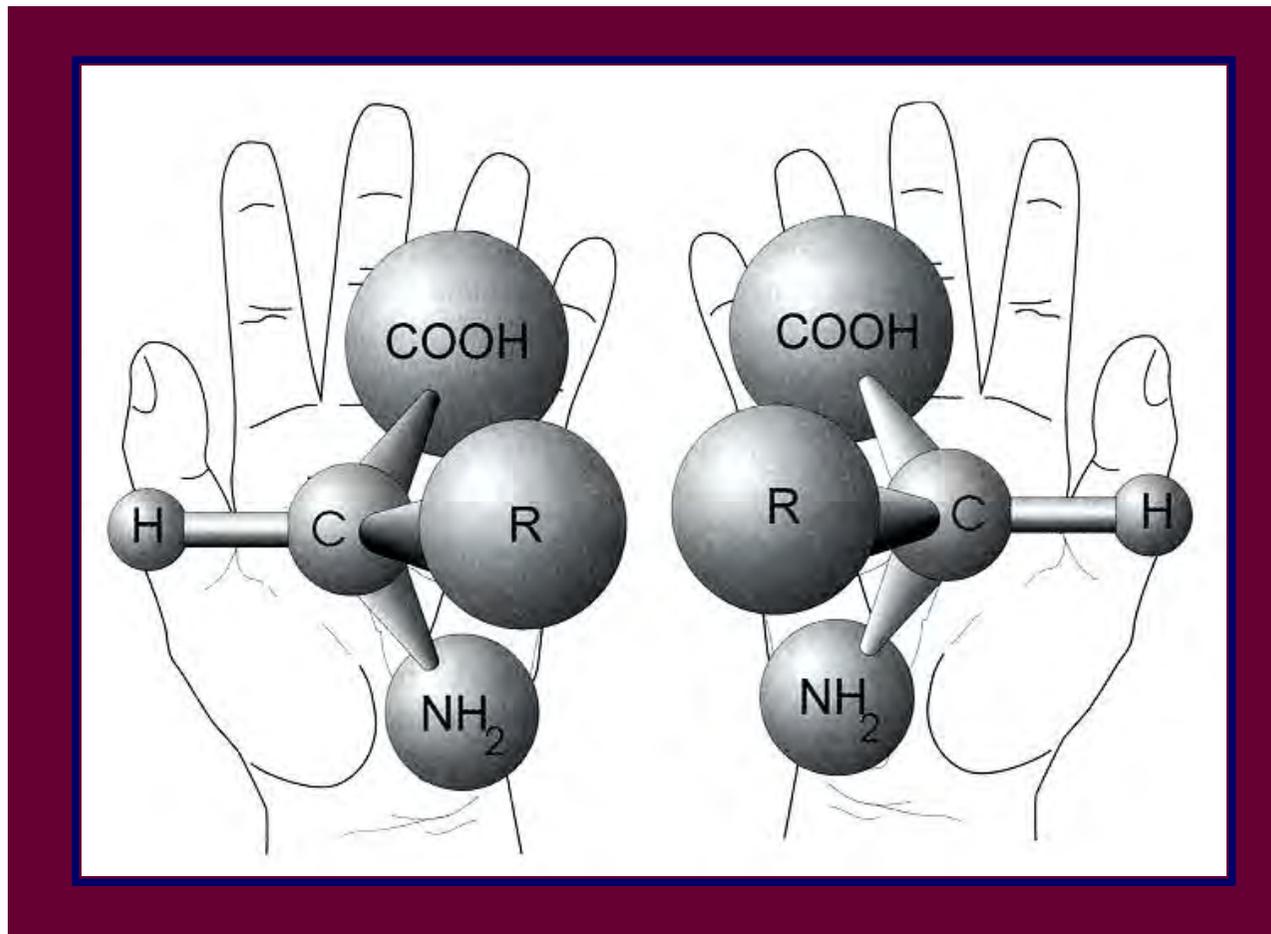


Hydrolysis



Amino Acids

Over 2,000 types of amino acids
Only 20 are used in life





Collapse of the Miller Experiment

Freeman Dyson, *Origins of Life*, 1999, pp. 25-26.

(Dyson is a Professor at the Institute for Advanced Study in Princeton and a member of NAS.)

“Since Miller's beguiling picture of a pond full of dissolved amino acids under a reducing atmosphere has been discredited, a new beguiling picture has come to take its place. The new picture has life originating in a hot, deep, dark little hole on the ocean floor.”



Life and the Miller Experiment

Johnjoe McFadden (Professor of Molecular Biology and Quantum Physics), *Quantum Evolution*, 2000, p. 87.

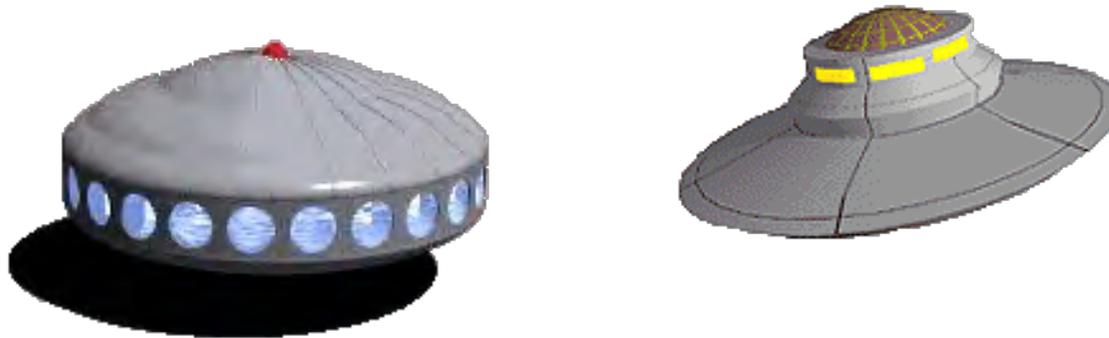
“The second limitation to Miller's experiments was that he obtained no polymers of amino acids – no peptides or proteins.”



Origin of Life and Amino Acids

William Bonner, Organic Chemist, Stanford University (World's leading homochiral researcher), UCLA conference on life's origins, 1995.

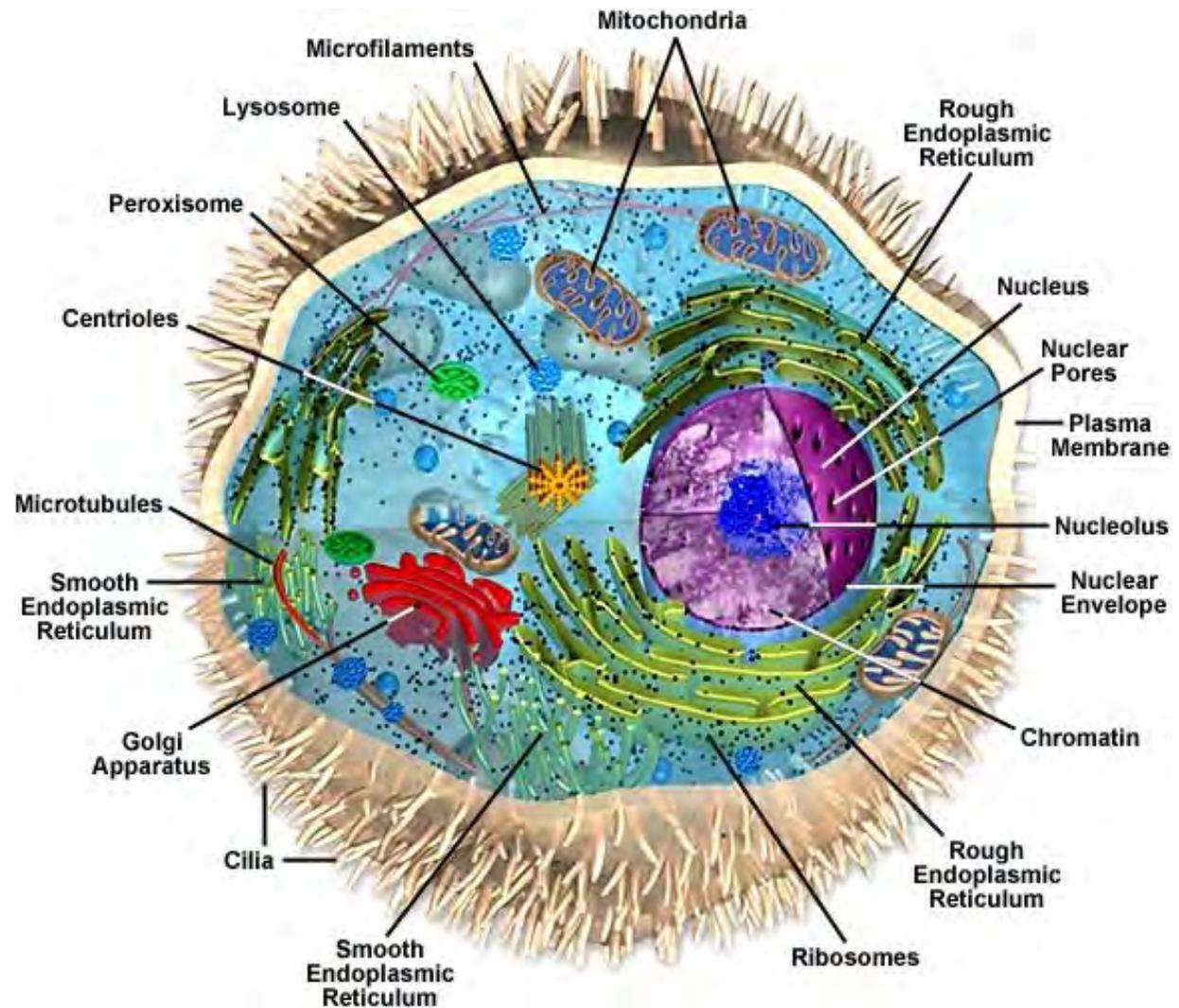
“Terrestrial explanations are impotent and nonviable”





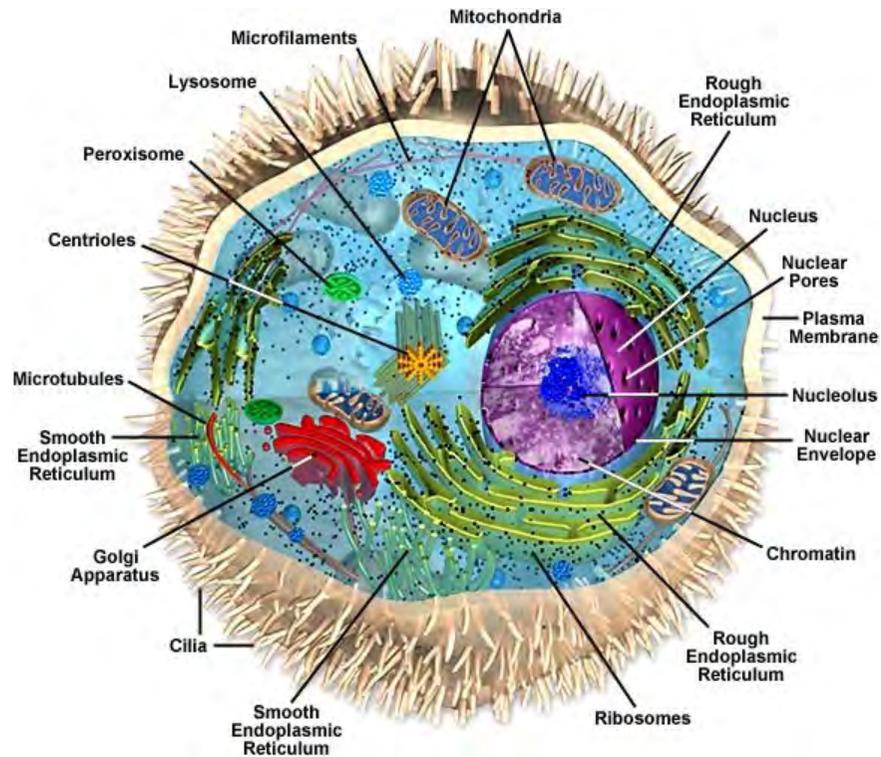
The Cell and Complexity

Enormous
Complexity



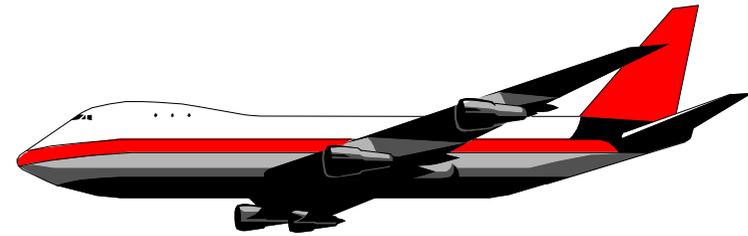


The Cell and Complexity



Billions of
non-living parts

Boeing 747



4 1/2 million
non-flying parts



Probability and Life

What are the chances of getting all heads every time I flip a penny



1 head in a row?

1 in 2

2 heads in a row?

1 in 4

3 heads in a row?

1 in 8

8 heads in a row?

1 in 256

100 heads in a row?

2^{100} or 10^{30}



Probability

- ◆ Law of Probability: 10^{50}
- ◆ A single protein: 10^{191}
- ◆ A single cell: $10^{40,000}$



Probability and Life

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

“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.”



Probability and Life

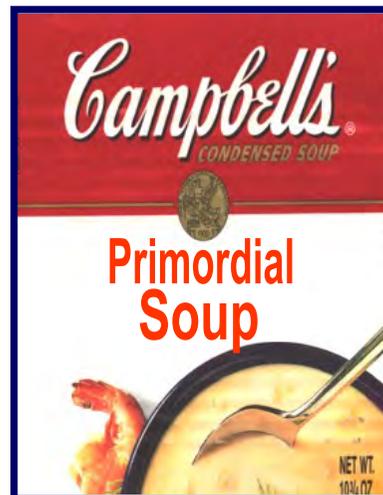
Robert Gange, Ph.D. (research scientist with extensive research in the field of cryophysics and information systems.), *Origins and Destiny*, 1986, p. 77.

“The likelihood of life having occurred through a chemical accident is, for all intents and purposes, zero.”



The Primordial Soup

- ◆ Chemistry - hydrolysis
- ◆ Biology - amino acids
- ◆ Physics - - 2nd Law of Thermodynamics





Second Law of Thermodynamics

Energy goes from a state of usable energy to a state of less usable energy for doing work in an isolated system

Complexity

Decay

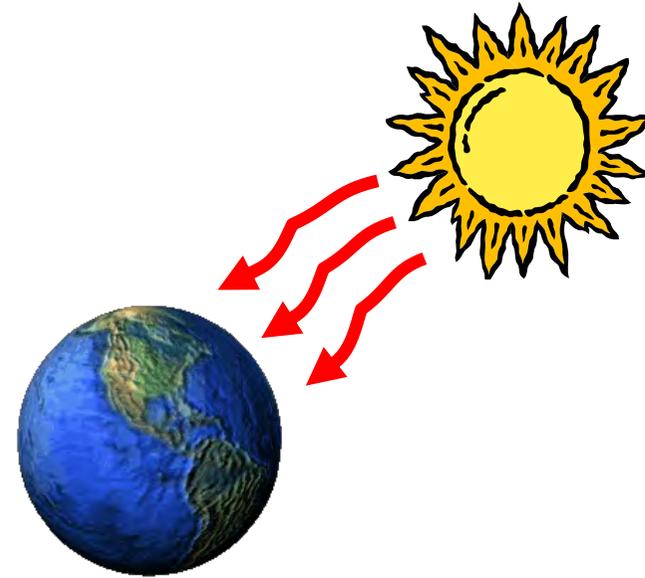
A large, light-colored arrow with a dark outline, pointing downwards from the word 'Decay'.



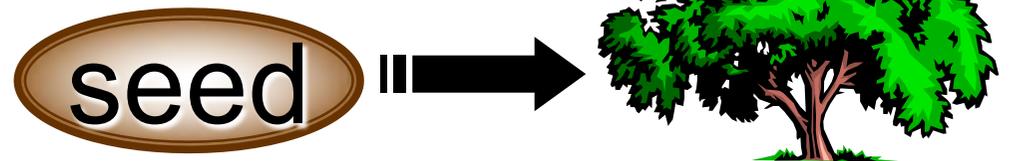
Second Law of Thermodynamics

Two Arguments

Open and isolated systems



Growth of a seed or embryo





Second Law of Thermodynamics

4 Necessary Conditions

1. An open system (earth)
2. Available energy source (sun)
3. A way to capture and store raw energy
4. An energy conversion mechanism



Second Law and Systems

John Ross, Ph.D. (Harvard scientist and evolutionist), *Chemical and Engineering News*, July 27, 1980, p. 40.

“There are no known violations of the second law of thermodynamics. Ordinarily the second law is stated for isolated systems, but the second law applies equally well to open systems.”



Scientists

Neil Broom (Ph.D. Chemical and Materials Engineering),
How Blind Is the Watchmaker, 2001, 80.

“A fundamental problem that science has never been able to solve is how to produce energy flow through the system to do this work of coding in order to produce, for example, a functioning protein.

Living systems do, of course, harness energy for this purpose, but only because the required, purposefully assembled metabolic machinery is already in place and functioning.”

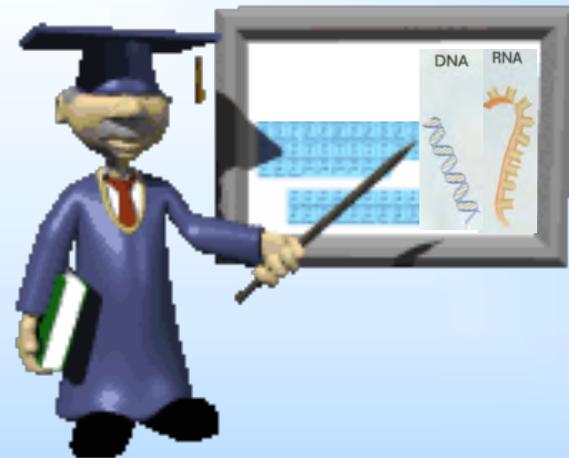


Evolution and Science

Four things that are detrimental to the origin of life

1. Oxygen in the atmosphere
2. Second Law of Thermodynamics (time)
3. Water (hydrolysis)
4. Amino acids (design)

Information and Complexity





Complexity and Information

- ◆ 1859 Charles Darwin
- ◆ Evolution model  life (complex codes)
 - $M + E + T$ **Somehow**

- ◆ Creation model
 - $M + E + T + \text{OI} = \text{life}$ (The formula requires **OI**)

M = Matter

E = Energy

T = Time

OI = Outside Intelligence



Information and Life

Werner Gitt, *In the Beginning was Information*, 1997, p. 99. (Dr. Gitt was the Director at the German Federal Institute of Physics and Technology)

“Since the findings of James D. Watson and Francis H. C. Crick, it was increasingly realized by contemporary researchers that the information residing in the cells is of crucial importance for the existence of life.

Continued

Anybody who wants to make meaningful statements about the origin of life, would be forced to explain how the information originated. All evolutionary views are fundamentally unable to answer this crucial question.”



The Addition of Energy

- ◆ What happens when we add energy to meaningless chemicals, bits, or parts?
 - All the parts of a Boeing 747
 - All the parts of a cell



The principle of decay
(Second Law of Thermodynamics)



Origin of Life

Johnjoe McFadden (Evolutionist & Professor of Molecular Biology and Quantum Physics), *Quantum Evolution*, 2000, p. 85.

“The simplest living cell could not have arisen by chance.”



Origin of Life

Franklin M. Harold, Professor of Biochemistry and Molecular Biology at Colo State U., *The Way of the Cell*, 2001, p. 235.

“The origin of life is also a stubborn problem, with no solution in sight....”



The Truth About Evolution

Dr. Klaus Dose, “The Origin of Life: More Questions than Answers,” *Interdisciplinary Science Reviews*, vol. 13, no. 4 1988, p. 348. (Dose is Director, Institute for Biochemistry, Johannes Gutenberg University, West Germany)

“More than 30 years of experimentation on the origin of life in the fields of chemical and molecular evolution have led to a better perception of the immensity of the problem of the origin of life on Earth rather than to its solution.”



Origin of Life - Impossible

“The chances that life just occurred are about as unlikely as a typhoon blowing through a junkyard and constructing a Boeing 747.”

Chandra Wickramasinghe, “Threats on Life of Controversial Astronomer,” *New Scientists*, 1982, p. 140.



Evolution ?

Paul Davies, Ph.D. Physics, *The 5th Miracle: The Search for the Origin and Meaning of Life*, 1999, p. 18.

“Many investigators feel uneasy about stating in public that the origin of life is a mystery, even though behind closed doors they freely admit they are baffled.

...they worry that a frank admission of ignorance will undermine funding,...”



Education

If I tell you only part of the evidence and you believe it, you have not been taught, you have been indoctrinated.

If I tell you all the evidence and you make a decision, then you have been taught.

Who Believes in a Six-Day Creation

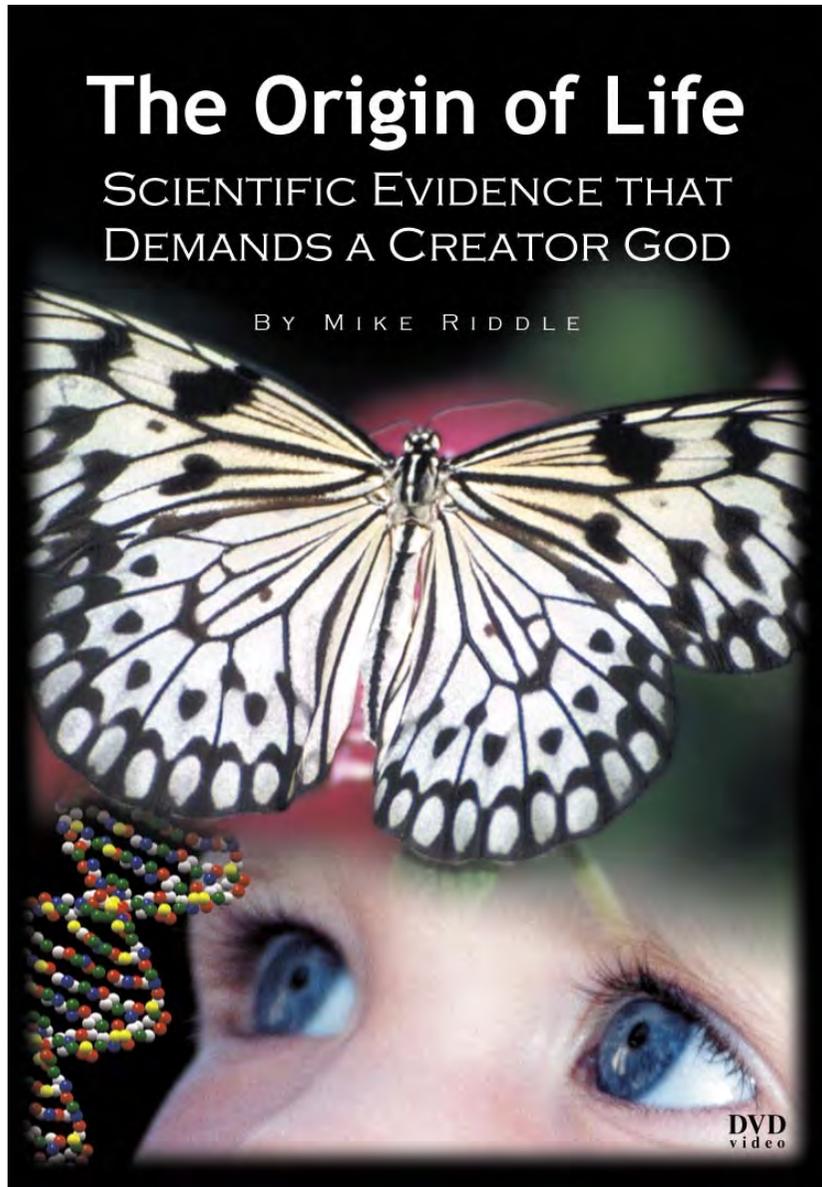
- ◆ Steven A. Austin Ph.D. Geology
- ◆ John Morris Ph.D. Geology
- ◆ Elaine Kennedy Ph.D. Geology
- ◆ Donald B. DeYoung Ph.D. Physics
- ◆ Werner Gitt Ph.D. Physics
- ◆ Russell Humphreys Ph.D. Physics
- ◆ Eugene Chaffin Ph.D. Nuclear Physics
- ◆ Danny R. Faulkner Ph.D. Astronomy
- ◆ John Byl Ph.D. Astronomy
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- ◆ David Dewitt Neuroscience
- ◆ John Johnson Ph.D. Mathematics
- ◆ Charles Taylor Ph.D. Linguistics (O.T.)
- ◆ Robert Cole Ph.D. Semitic Languages
- ◆ Steven Boyd Ph.D. Hebraic and Cognitive Studies



Conclusion

- ◆ The origin of life by natural processes (evolution) is not possible
 - All left-handed amino acids
 - There is not enough time
 - Life is too complex (information)
- ◆ We are all looking at the same evidence
- ◆ Many scientists believe in creation
- ◆ Neither evolution nor creation can be proven scientifically – both involve faith
- ◆ It is your choice which model to believe

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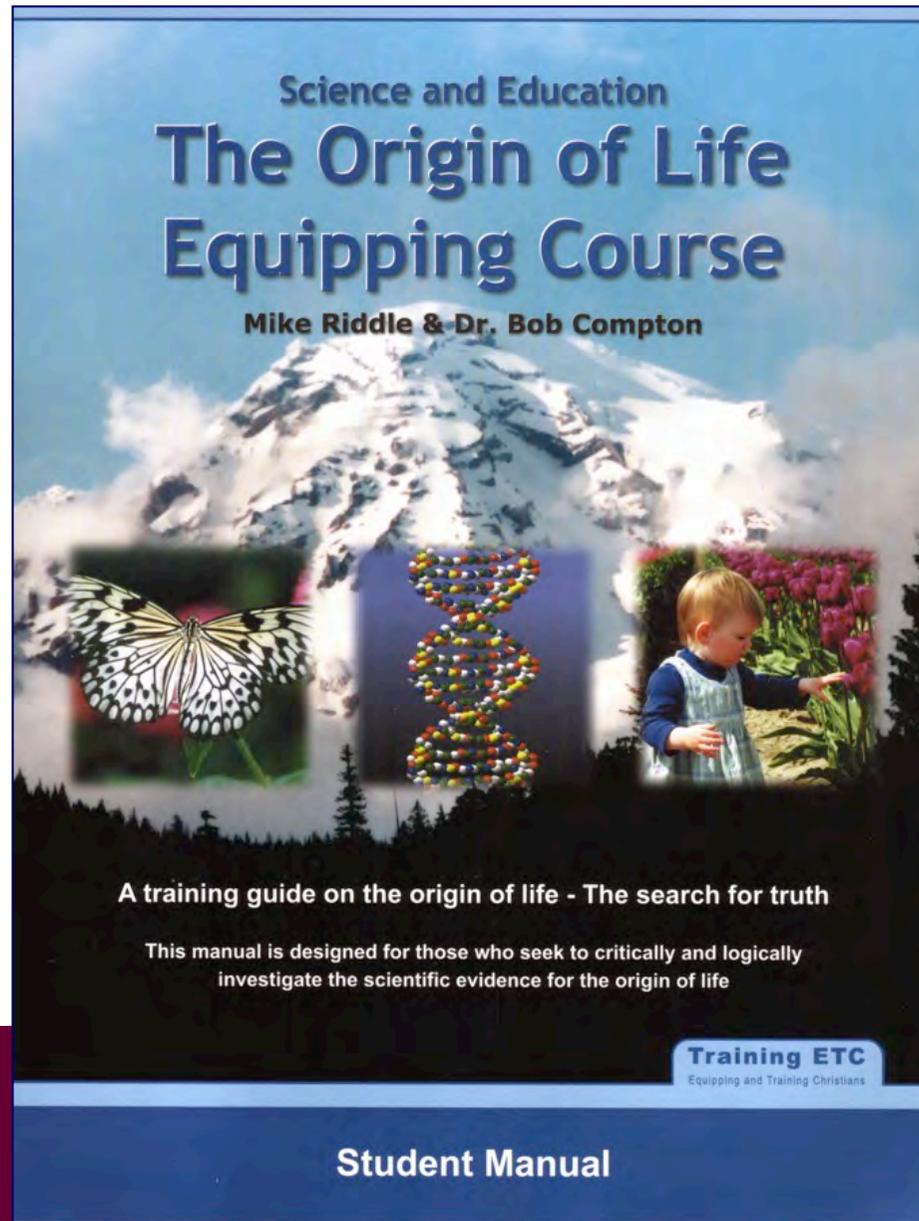
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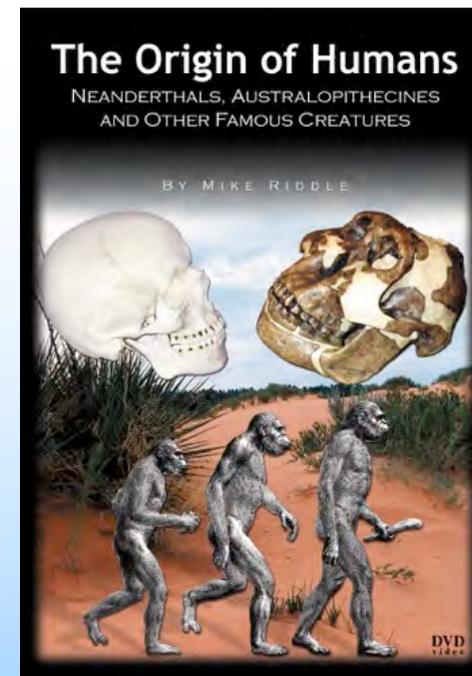
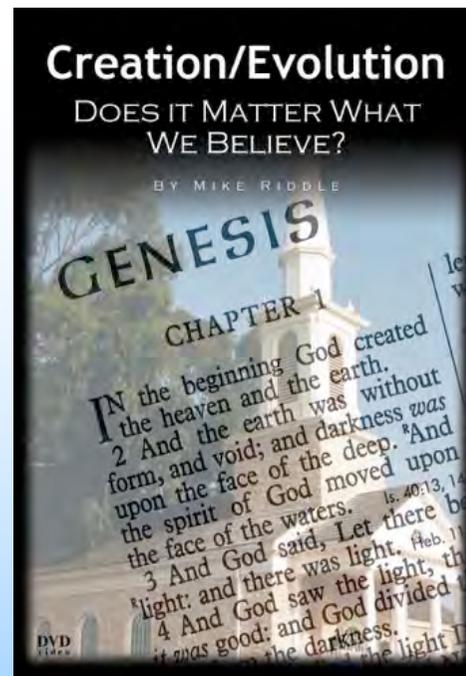
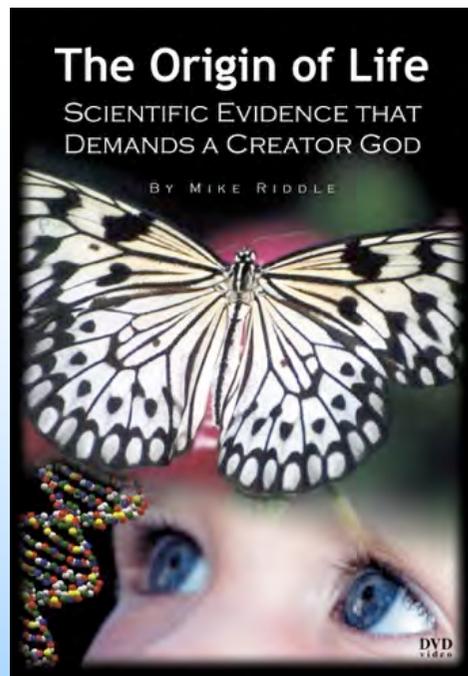
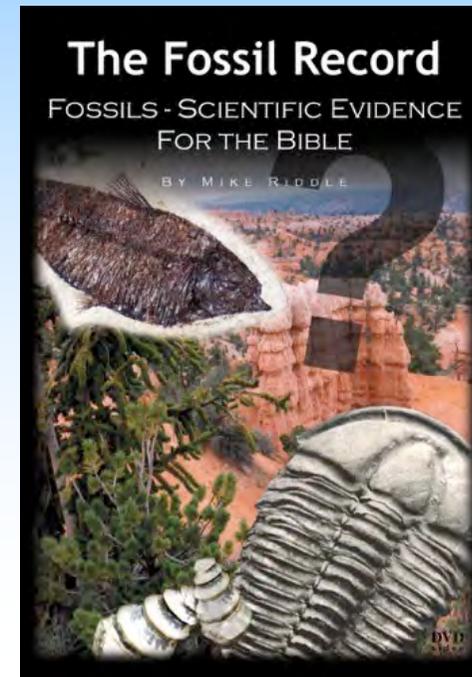
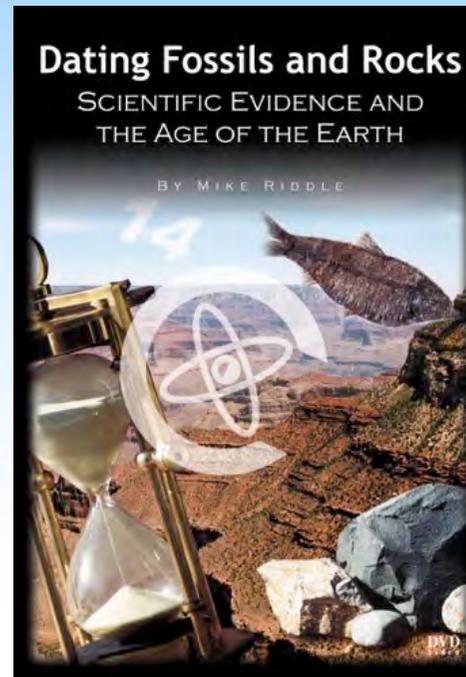
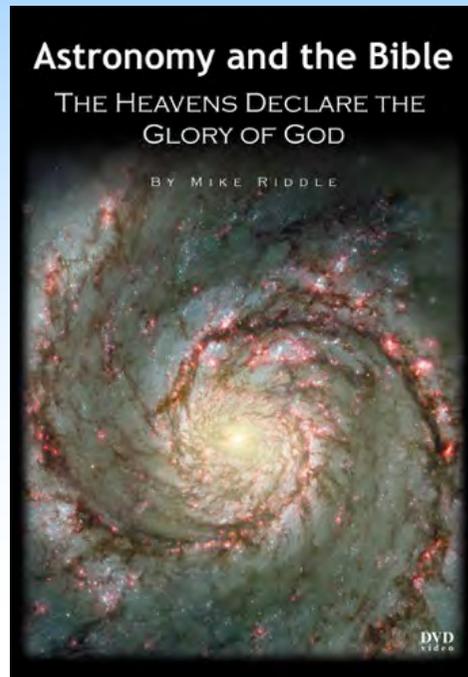
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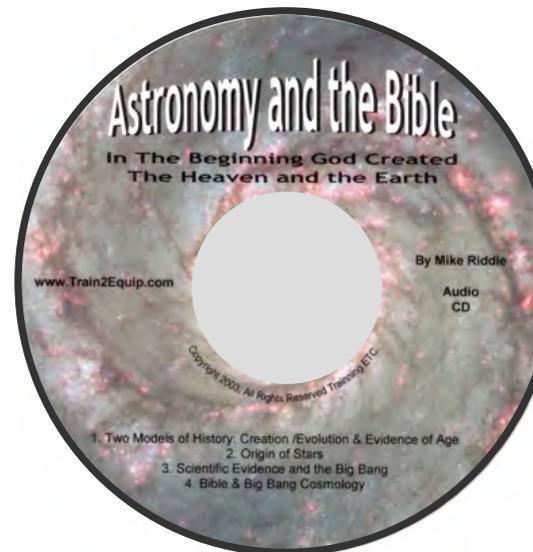
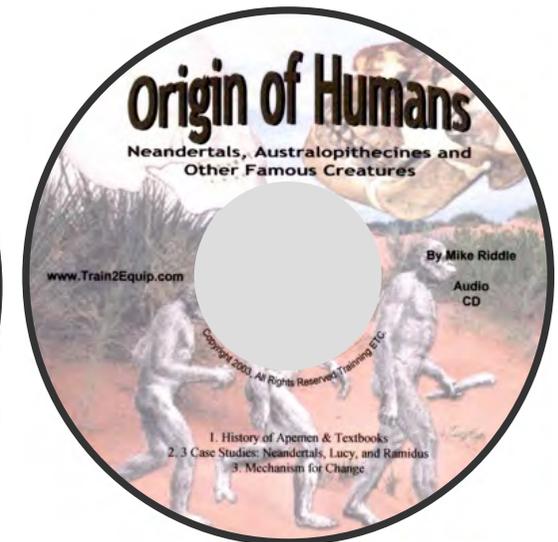
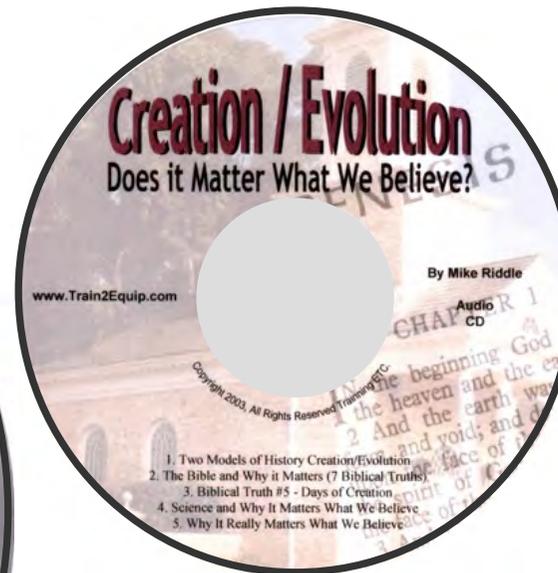
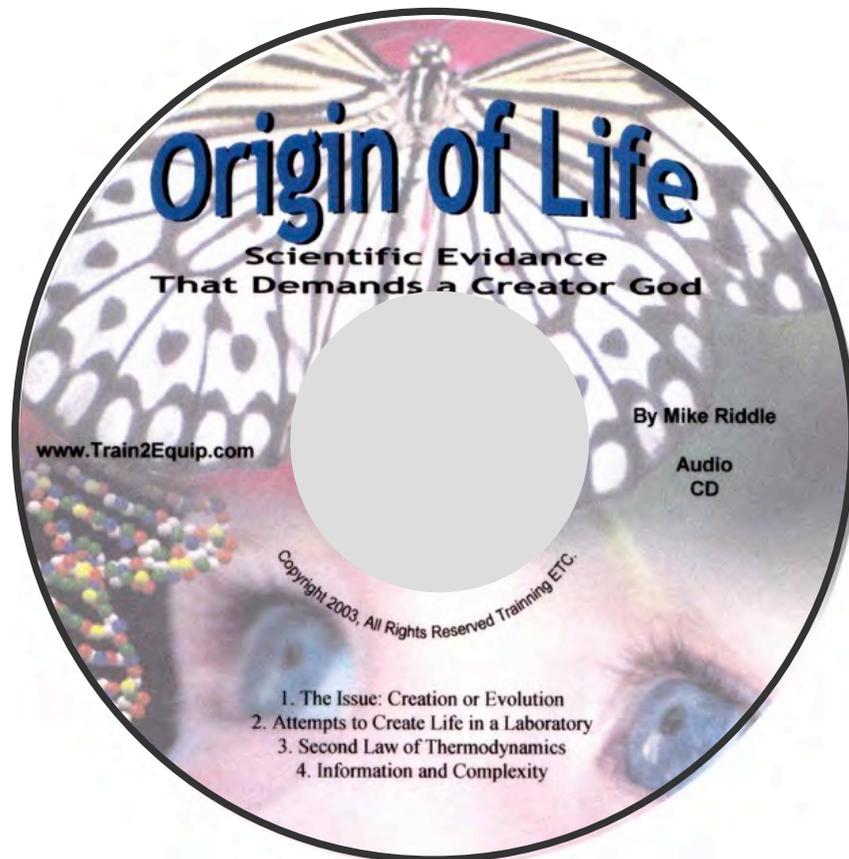
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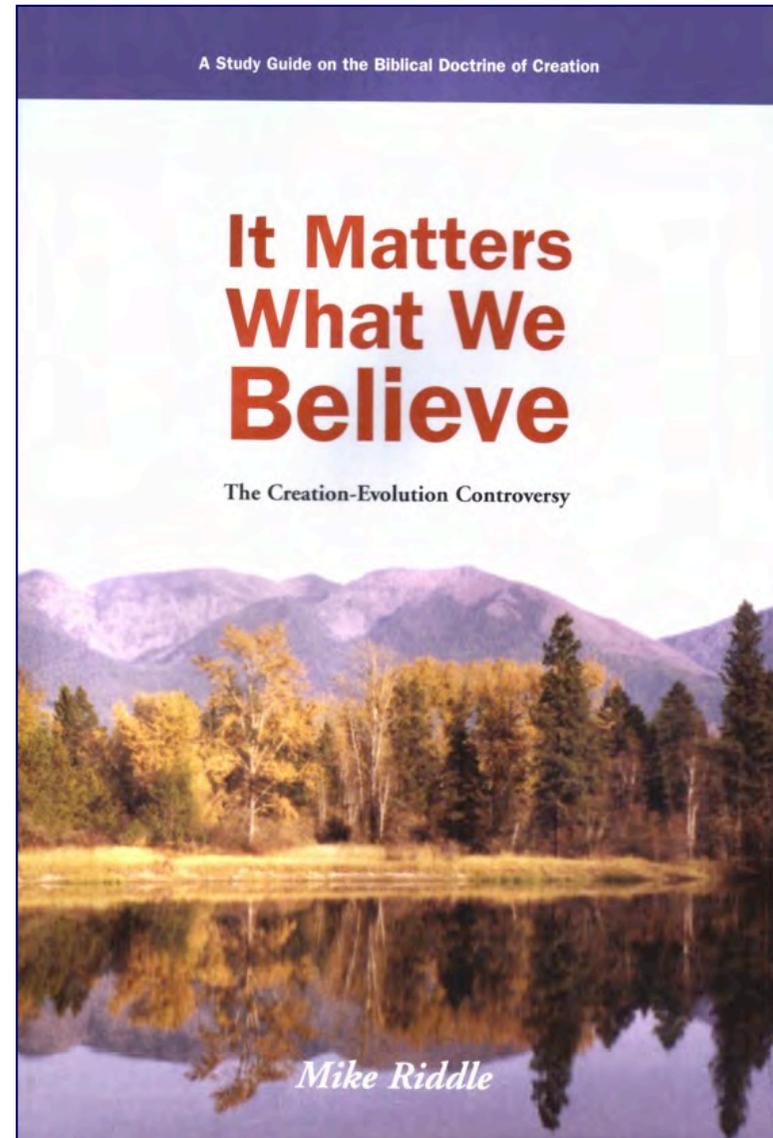
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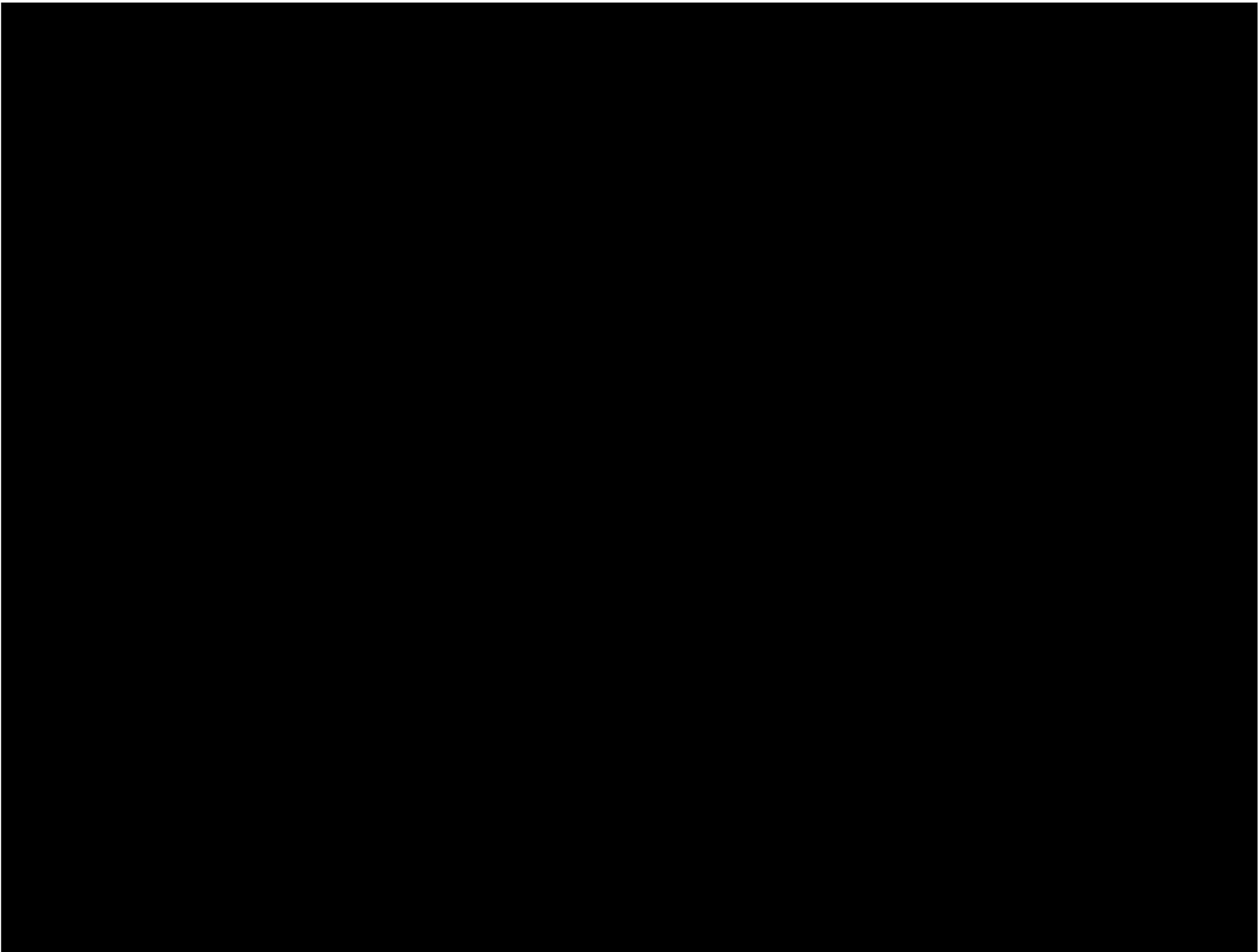
The Origin of Life

Evidence That Demands a Creator God

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