All things were made through Him, 
and without Him nothing was made that was made.

John 1:3

Prepared as part of the “Equipping the Saints” Ministry
By Dr. Don E. Johnson and Pastor David S. Braden

Foundations of the Faith 301
Presenters

Dr. Don E. Johnson:

Don Johnson has earned Ph.D.s in both Computer & Information Sciences from the University of Minnesota and in Chemistry from Michigan State University, was a senior research scientist for 10 years in pharmaceutical and medical/scientific instrument fields, served as president and technical expert in an independent computer consulting firm for many years, taught 20 years in universities in Wisconsin, Minnesota, California, and Europe, and since "retiring," has done consulting, speaking (across the US and on most continents) and writing (just finished 4th book). Main Website www.djgo.info links to other sites and videos.

My notes will emphasize scientific facts that support the Bible. Science will not be twisted to fit a Biblical account, and the Bible will not be twisted to fit science. If I could prove that the God of the Bible is the Designer or Programmer, faith would be unnecessary since the Christian God would be a proven scientific fact. I believe many Biblical teachings that I can’t substantiate using known science, but those will not be addressed. My ministry to Christians is meant to build up the Saints and equip them to teach their children and defend their faith in an intellectually satisfying and scientifically-based manner, as well as increasing one’s confidence that the Bible is truly amazing in its scientific insights.

Pastor David Braden:

David Braden earned a Bachelor of Science in Civil Engineering from the University of Missouri in 1966 and a Master of Divinity from Golden Gate Seminary in 1972. He served as an officer in the army corps of engineers in Europe in 1966-68 completing his military obligation with the rank of captain.

He worked as an engineering project manager for several engineering companies over a period of 37 years and retired from GE Nuclear Energy in 2005 after 25 years of service.

He was ordained in 1991 and has pastored in churches in California and North Carolina. This course, “In Defense of Creationism” has been prepared as a part of the “Equipping the Saints” ministry.

Pastor David will focus on the Biblical Perspective in his responses to the questions from The New ANSWERS Book 1 by Ken Ham.
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1 indicates a scientific perspective only.
2 indicates a Biblical perspective only.
Introduction

The goal of this course of study, prepared by Pastor David Braden and Dr. Don K. Johnson, is to provide answers to questions often asked by relating to an evolutionary belief system regarding creation and the current natural processes functioning in the world today.

Textbooks: Two text books will be used in this course of study -

1. The Bible

   This book provides answers to 27 of the most-asked questions as received by Mr. Ham.

The goal of this document is to provide supplemental scientific and biblical information to that presented in the NEW ANSWERS Book 1. It is designed to be read in conjunction with the chapters in the NEW ANSWERS Book 1.

The table of contents of this document will follow that in the ANSWERS Book.

I have added a brief discussion on the definition of “chance,” chapter 28, since this is often a centerpiece of evolutionary thought: “It happened by chance.”

Pastor David Braden
Chapter 1: “Is there really a God”

Does God Exist?

I. Scientific Perspective:

There are many verifiable scientific facts that are compatible with (though not “proving”) God.

Mass, energy and time had a beginning with no scientific explanation, but much speculation has continued to be elusive to known science. There are a number of reasons for this, including the non-repeatability of this historic event and the fact that known natural laws fail to account for it. Matter and energy cannot be created nor destroyed, but may be converted from one form to another ($\Delta E + c^2\Delta M = 0$, where $c$ is the speed of light).

Before Einstein’s $E=Mc^2$, each change ($\Delta E$ or $\Delta M$) was assumed to be 0, but science now knows that mass can be converted to energy, and vice versa. If a gram of mass is converted ($\Delta M$ is negative) into energy, such as in an atomic bomb, $9 \times 10^{13}$ joules of energy are produced. (Note that the atomic bomb that leveled Hiroshima was over 160 times less than this with a 6.4 mg loss of nuclear mass.)

There is no scientific explanation for the $3 \times 10^{69}$ joules of energy required to produce the estimated $3 \times 10^{55}$ g mass of the Universe, equivalent to $520,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000$ Hiroshima bombs.

None of the commonly proposed models can be proved or disproved by known science since known science cannot account for the origin. Each philosophical or theological belief about the origin involves unprovable assumptions that are not verifiable or falsifiable, and would not be bound by known science.

A supernatural belief typically involves powerful being(s) outside the Universe -- “The voice of the Lord is powerful” [Ps 29:4] when “God said, 'Let there be ...' and there was” [Gen 1]. Quantum fluctuation of “nothing” involves an unseeable eternal “ether” capable of spontaneously generating the Universe.

An eternally-existing Universe violates the law of increasing entropy and fails to account for the Universe’s increasing rate of expansion. Multi-verse collisions involve innumerable unseeable universes with unseeable dimensions. It is no more scientific to believe in a “scientific-sounding” natural source than to believe in a supernatural source. Each model requires “beliefs,” as opposed to empirically determined science.
Something/someone has fine-tuned the Universe that makes life possible. Astrophysicist Hugh Ross analyzed 501 parameter requirements (from an analysis of 658 technical papers), each with the probability that a feature will fall into the required range to support simple life [Ros09]. These data indicate that there’s less than 1 chance in $10^{311}$ (1 followed by 311 zeros) that even one life-support body would occur anywhere in the Universe for the simplest life to exist for as long as 3 months. Critical examples include the physical constants for weak and strong nuclear forces, electromagnetic and gravitational forces, ratios of forces and electron/proton masses, and properties of neutrons. For example, if the charge of the proton and electron differed by 1 part per billion, an object the size of a person would fly apart. If the ratio of the electromagnetic to gravitational force were decreased by 1 in $10^{40}$, only stars larger than the Sun could occur. The expansion rate, mass, density, and age of the Universe are also critical, as is our position within the solar system, galaxy, and Universe.

Astrophysicist Paul Davies states “There is for me powerful evidence that there is something going on behind it all... It seems as though somebody has fine-tuned nature’s numbers to make the Universe” [Dav88].

Stephen Hawking states concerning the constants of physics: “The remarkable fact is that the values of these numbers seem to have been very finely adjusted to make possible the development of life... It seems clear that there are relatively few ranges of values for the numbers that would allow for development of any form of intelligent life” [Haw88].

Nobel laureate Steven Weinberg reflects on “how surprising it is that the laws of nature and the initial conditions of the universe should allow for the existence of beings who could observe it. Life as we know it would be impossible if any one of several physical quantities had slightly different values” [WeiSA]. “If we nudge one of these constants just a few percent in one direction, stars burn out within a million years of their formation, and there is no time for evolution. If we nudge it a few percent in the other direction, then no elements heavier than helium form. No carbon, no life. Not even any chemistry. No complexity at all” [Deu06]. “Small changes in the electric charge of the electron would block any kind of chemistry” [Bar80].

Theoretical physicist Lee Smolin has calculated the probability of star (including our Sun) formation from random parameters as $10^{-229}$ [Smo97]. In analyzing the precision of the original Big Bang entropy, Penrose calculates “An accuracy of one part in $10^{10^{123}}$...the precision needed to set the universe on its course” [Pen89]. Note: $10^{123}$ is a 1 followed by 123 zeros, $10^{10^{123}}$ is a 1 followed by $10^{123}$ zeros! That number is so far beyond anything real (there are less than $10^{80}$ atoms in the Universe) that is difficult to imagine.

In life, “The information content of a simple cell has been established as around $10^{12}$ bits, comparable to about a hundred million pages of the Encyclopaedia
Bill Gates wrote, “Human DNA is like a computer program but far, far more advanced than any software we’ve ever created.” Craig Venter said, “Life is basically the result of an information process, a software process. Our genetic code is our software” Each living cell (humans have 300 trillion) contains thousands of real computers and computer programs. There are multiple operating systems, multiple programming languages, encoding/decoding hardware and software, specialized communications systems, error detection/correction mechanisms, specialized input/output channels for cell component control and feedback, and variety of specialized “devices” to accomplish the tasks of life.

None of the “natural” scenarios for the origin of life or species is compatible with information science.

For any scenario to be considered as science, it must provide feasible scientific mechanisms that address questions such as: How did inanimate nature write the prescriptive programs needed to organize life’s metabolism and formally solve life’s other complex problems such as control, replication, and artifact construction? How did nature develop the arbitrary digitally-coded protocols for communication and coordination among the thousands (or millions) of computers in each cell, often using messages within messages, multi-level encryption, and consolidation of dispersed messages? How did nature defy computer science principles by avoiding software engineering’s top-down approach required for complex programming systems, but instead produce complex functional programs without planning by randomly generating programs and randomly modifying existing programs? These are science questions that require scientific answers if a supernatural cause is not considered as a possibility.

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II. Biblical Perspective:

We are looking for evidence for the existence of God.

Immediately, when we speak of evidence, it calls up thoughts of being in a court room where the lawyers call their witnesses to give their testimonies regarding a
particular case.

God knew before there was time that mankind would want some evidence for His existence.

The amazing fact is that God wants us to know Him, to know His heart and to know how He interacts with those He has created.

He is not the hidden God.

He placed a staggering amount of evidence of His existence all over the world.

And He has placed some of this evidence in the most unique and interesting places.

1st witness: The Word (Bible) Speaks

The first witness is God’s Living Word.

The Bible speaks to us in words that were recorded by God’s messengers. These words reveal to us who God is and what He does. They show us His character and how He works and interfaces with man.

In the very first 3 words of the Bible “bereshith bara Elohim” we are told that God exists.

I can conclude from these words to say that, in beginning the work that God was beginning, He was already there. He existed before the world that we know came into existence.

In the verses following, He is given credit for creating everything in the heavens and on the earth.

We see that He is the uncreated one.

There is no attempt in the Bible to prove the existence of God or to imply that He had a beginning. No one created God. He is not a created being such as us.

The Bible continues to reveal who God is by His many names (Adonai, Yahweh, El Shaddai, El Rapha, Elohim, …)

God Himself comes down to earth and reveals Himself in His son Jesus. Jesus said: “If you have seen me you have seen the Father.” So Jesus uniquely became a witness to the Father’s existence.
In the Bible, we see the historical record of God’s interactions with mankind, who He is, how he relates to mankind and what He requires of us.

The 2nd Witness: The Unique Existence of the Bible

The book called “The Bible” is itself a witness to God’s existence because only divine wisdom, inspiration and superintendence can account for the existence of this most remarkable book. There is no other book in all of history that is like it. None even come close.

Some of the amazing characteristics of the Bible are:

(1) Its unity – written by more than 40 authors in diverse locations over a period of approximately 1500 years
(2) Its preservation – even when emperors such as Diocletian of Rome tried to destroy every Bible. (303 A.D.)
(3) Its historical accuracy
(4) Its scientific accuracy
(5) Its prophetic accuracy – more than 60 prophecies about Jesus alone.  
> 300 prophecies in the entire Bible of events before they happened, are happening or will happen.
(6) The Bible’s civilizing influence
(7) The Bible’s absolute honesty – even weaknesses of its heroes are documented. Very few books are written exposing the weaknesses of their heroes.
(8) Its life-transforming message.

Psalms 19:7-11 is a beautiful poetic description of the “Word” book.

The Law of the Lord is perfect, sure, right, pure, clean, true and righteous.

It further states that it converts the soul, makes the simple wise, gives joy to the human heart, enlightens the eyes and endures forever.

What other book can make such claims as these and fulfill them?

It is also referred to as “The Living Word.”
Those who apply themselves to God’s Word will experience the heart-beat of its life-giving flow.

No other book can impart the life of God.

3rd Witness: In Creation (heavens and earth)
Evidence for the existence of God is available to everyone.

Psalm 19:1-4 is a figure of speech, a personification, in which the creation is given the human characteristic of speech:

“The heavens declare the glory of God and the firmament shows His handiwork. Day unto day utters speech, night unto night reveals knowledge. There is no speech nor language where their voice is not heard. Their line (sentences) has gone out through all the earth and their words to the end of the world.”

This “speaking creation” tells us about the glory and divine nature of God. Every day and night their “words” reveal His glory. And their speech, their revelatory sentences (lines), are spoken to every place on the face of the earth, i.e. every living person on the earth has access to these “words.”

In Romans 1:19-20. Paul makes the same point:

What can be known about God is plain to men. Alternate translation of underlined phrase = "manifest in them"

*phaneros* (Grk.) 5318B
- to shine, to cause to appear, apparent, manifest with the idea of being known

These things are done with the express purpose of making God known.

v.20 His eternal power and deity are clearly seen in the things that were made by God during the creation week.

4th through 6th witnesses: Within mankind

This may come as a surprise to some of you, but God has given every person evidence of His existence in 3 distinct parts of our human constitution.

Paul states in Rom. 2:14ff that the work of the law is written on our hearts, that our consciences bear witness with it and our thoughts are actively engaged with it.

“For when Gentiles …by nature do what the Law requires, they are a law to themselves… They show that the work of the Law (evidence of the intelligence of God) is:
1. written on their hearts (spirit)
2. their consciences (soul) bear witness
3. and their thoughts (mind) accuse or excuse them."

So...everyone from their birth has some knowledge of the just requirements of God’s Law. They have it in their hearts, in their consciences (souls) and in their minds.

If a person says they don’t believe God exists, they are, according to Paul, who was writing by the inspiration of the Holy Spirit, showing that they have already turned away from the knowledge of God that they have.

7th Witness: The Changed Life/The “Born Again” Life

People throughout the world have embraced faith in the person of Jesus Christ. As they do, the work of God the Holy Spirit in their lives brings significant changes into their lives consistent with the claims of scripture.

These changed lives are a witness to the existence of God, who He is and what He does which are seen in the effects in the lives of those who, by faith, receive Him).

Acts 1:8 says: “But you will receive power when the Holy Ghost (Spirit) has come upon you, and you will be my witnesses..."

I am a witness to the existence of God. You are a witness to the existence of God as are all those who have been reborn into His kingdom.

Summary:

The seven witnesses for the existence of God are:

1. The Word of God which speaks to us of God’s existence, His character and works,
2. The unique qualities of the Word of God,
3. The heavens and the earth (creation),
4. In the heart of man,
5. In the soul of man,
6. In the mind of man,
7. The changed lives of those who, by faith, have entered into His kingdom.

So, a response to this question can be to point the inquirer towards the seven great evidences that already exist and are available to everyone.

We don’t need more evidence.
We need a careful, honest review of the evidence that is already available to everyone.

A poignant question: “What are you doing with the witnesses of God’s existence that you already have?”
Chapter 2: Why shouldn’t Christians accept millions of years?

I. Scientific Perspective:

Some Relatively Young Earth/Universe Scientific Evidence:

- High oil and gas pressure (<10ky)
- Magnetic field decay (<10ky) (many reversals during flood)
- Helium (radiodecay product) in rocks (<8ky)
- Comet tails visible (<<1by)
- Receding (4 cm/yr) moon (<1by)
- Earth rotation slowing by 2 ms/century
- Unfossilized dinosaur bone with DNA & blood cells
- Radiohalos indicate rapid formation of granite
- Spiral galaxies have distinguishable arms
- Harmful mutations limit life’s existence – current 60 per newborn human would cause extinction in <10ky
- Fitness” declines by 1-2% per generation; 1995 J. Theo. Biol. Paper title: “Why have we not died 100 times over?”<300 generations would cause extinctions (extinction is certain!).
- Each mutation causes a guaranteed net information loss in the genome (DNA).

II. Biblical Perspective:

There are a number of reasons Christians shouldn’t accept the millions of years:

1. The teachings of the Bible:

The Scriptures tell us that God created the heavens and the earth in 6 literal, 24 hour days. (Gen. 1:1-2:4)

An honest reading of Genesis 1 indicates that it was the author’s intention that we understand that the creation acts occurred in 6 literal days.

There is nothing in the verses of the early chapters of Genesis that can be logically interpreted as millions of years. The words “millions, years, ages” never appear in the text.

Ex. 20:9-11 talks about a week of 7 literal days. In it, the author says “For in six days the Lord made the heavens and earth.” Earlier He says that man shall do his labor in 6 days and rest on the 7th. The author makes a
direct correlation between the days of creation and the days of our working week.

The only reasonable interpretation of this passage is that the day (yom) referred to in this passage is a literal day of approximately 24 hours.

See more on this issue in chapter 8 of this booklet and in the ANSWERS Book 1.

2. The genealogies of Adam and Abraham in Genesis 5 and 11:

Plotting a chart of the genealogies of Genesis chapters 5 and 11 gives evidence that the days of creation occurred approximately 6000 years ago. See chart below: “The Overlapping Ages of the Patriarchs” at the end of this lesson. Even accounting for a few “missing generations” would only place the total earth age somewhere between 6,000 and 10,000 years at the most.

3. Noah’s flood:

Noah’s flood which occurred in the 24th century B.C. would have resulted in exactly the kind of complex geological record we see worldwide: huge deposits of fossilized sediments containing innumerable fossils.

Since this occurred approximately 4500 years ago, then the rocks and fossils that we discover in the sediment cannot be millions and millions of years in age.

4. Jesus’ teachings are consistent with a young earth.

Jesus often quoted Old Testament passages related to historical accounts, e.g. Adam Noah, Lot, etc. His attitude towards these passages was that they were accurate historical accounts.

In Mark 10:6, Jesus says: “But from the beginning of creation, God made them male and female” (not after millions and millions of years of evolutionary processes working through the process of chance to conceived life-bearing humanity.)

5. Death came to the earth when Adam sinned, and not before.

To maintain that the earth is millions and millions of years old presumes that death occurred on the earth before the creation and fall of man which is inconsistent with the teachings of the Scriptures in Genesis 1-3.
6. Scientific facts do not support the theory of millions and millions of years.

Summary:
These are some of the reasons why creationists believe that the Bible provides the true "history of mankind."
The Overlapping of the Patriarch's Lives

| (1) | (2) | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 |
|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ADAM | 130 | 930 |
| SETH | 105 | 912 |
| ENOSH | 90 | 905 |
| KENAN | 70 | 910 |
| MAHALAL | 65 | 895 |
| JARED | 162 | 962 |
| Enoch | 65 | 365 |
| METHUSELAH | 187 | 969 |
| LAMECH | 182 | 777 |
| NOAHS | 600 | 950 |
| SHEM | 100 | 600 |
| ARPACHSHAD | 35 | 438 |
| SHELAH | 30 | 433 |
| EBER | 34 | 464 |
| PELEG | 30 | 239 |
| REU | 32 | 239 |
| SERUG | 30 | 230 |
| NAHOR | 29 | 148 |
| TERAH | 70 | 265 |
| ABRAHAM | 100 | 175 |
| ISAAC | 60 | 180 |
| JACOB | 147 | | |

Calendar Year  4000 BC  3000 BC  2348 BC  2144 BC  2000 BC

(1) Age at birth of son
(2) Years lived
* 600 at beginning of the flood
** 98 at end of the flood

Facts: Noah lived 58 years after the birth of Abraham.
Adam was alive at the time of Lamech's birth.
Shem died when Jacob was 48.
Shem and Eber outlived Abraham.
Adam to Jacob - 3 links

Names: Definitions:

<table>
<thead>
<tr>
<th>Names</th>
<th>Definitions</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOAH</td>
<td>rest</td>
</tr>
<tr>
<td>SHEM</td>
<td>name</td>
</tr>
<tr>
<td>ARPACHSHAD</td>
<td>stronghold of the Chaldees</td>
</tr>
<tr>
<td>SHELAH</td>
<td>be still/rest</td>
</tr>
<tr>
<td>EBER</td>
<td>&quot;the man across&quot;/&quot;the opposite side</td>
</tr>
<tr>
<td>PELEG</td>
<td>division</td>
</tr>
<tr>
<td>REU</td>
<td>friend/companion</td>
</tr>
<tr>
<td>SERUG</td>
<td>branch (district in Mesopotamia)</td>
</tr>
<tr>
<td>NAHOR</td>
<td>snare/snort</td>
</tr>
<tr>
<td>TERAH</td>
<td>type of mountain goat/birch</td>
</tr>
<tr>
<td>ABRAHAM</td>
<td>father of a multitude</td>
</tr>
<tr>
<td>ISAAC</td>
<td>laughter</td>
</tr>
<tr>
<td>JACOB</td>
<td>supplanted</td>
</tr>
</tbody>
</table>

It appears that some of them gave their names to the districts or areas which they or their descendants occupied.

File: Ages at the Beginning of Time.xls
Chapter 3: Couldn’t God have used evolution?

Scientific Perspective:

Certainly He “could” do anything, but not if the Bible is accurate, and not by using known science. All evolutionary scenarios for the origins of the cosmos, life, and species lack verifiable scientific justification (see chapter 1 notes).

Two-time Nobel Prize winner Ilya Prigogine noted, “The statistical probability that organic structures and the most precisely harmonized reactions that typify living organisms would be generated by accident, is zero” [Pri72]. "Peer-reviewed life-origin literature presupposes that, given enough time, genetic instructions arose via natural events. Thus far, no paper has provided a plausible mechanism for natural-process algorithm-writing... Both the semantics [meaning] and syntax [grammar rules] of codonic language must translate into appropriate semantics and syntax of protein language. That symbolization must then translate into the 'language' of three-dimensional conformation via minimum-free-energy folding [for a stable protein]. No combination of the four known forces of physics can account for such conceptual relationships.

Symbolism and encryption/decryption are employed. Codons represent functional meaning only when the individual amino acids they prescribe are linked together in a certain order using a different language" [Tre04]. "When it comes to life's syntax, semantics, and pragmatics, we fanatically insist for metaphysical reasons that the system is purely physical. No empirical, rational, or prediction-fulfillment support exists for this dogma" [Abe09P]. "All the equations of physics taken together cannot describe, much less explain, living systems. Indeed, the laws of physics do not even contain any hints regarding cybernetic processes or feedback control" [Cor05].

"Biological functionality is turning out to be much more highly specified and precise than we had originally envisioned... biology is really a science of engineering, where the constraints for bio-functionality are extreme – to the point that nearly every molecular interaction is remarkably precise and tightly controlled. Molecular biology is much like a jigsaw puzzle where each piece must be specifically shaped to fit with the other pieces around it" [Bra03]. "It is very difficult to wrap your head around how big the genome is and how complicated... It's very confusing and intimidating... The coding parts of genes come in pieces, like beads on a string, and by splicing out different beads, or exons, after RNA copies are made, a single gene can potentially code for tens of thousands of different proteins, although the average is about five... It's the way in which genes are switched on and off, though, that has turned out to be really mind-boggling, with layer after layer of complexity emerging" [LeP10].

Anyone who wants to earn an "easy" $1 million should note, "The Origin-of-Life Prize® ... will be awarded for proposing a highly plausible mechanism for the
spontaneous rise of genetic instructions in nature sufficient to give rise to life" [OOLprize] (this has been offered for over a decade).

Microevolution, small adaptive changes that are heritable, is accepted as a verifiable fact by virtually all scientists.

Macroevolution, the scenario that all life originated by undirected natural processes from an original organism, is believed by most scientists, but doubted by thousands of scientists on purely scientific grounds. There have been exactly zero verified new species resulting from mutations, though that is usually assumed.

"We conclude – unexpectedly – that there is little evidence for the neo-Darwinian view: its theoretical foundations and the experimental evidence supporting it are weak" [Orr92p726]. "None of the papers published in JME (Journal of Molecular Evolution) over the entire course of its life (1971-) as a journal has ever proposed a detailed model by which a complex biochemical system might have been produced in a gradual, step-by-step Darwinian fashion" [Beh96p176]. "We must concede there are presently no detailed Darwinian accounts of the evolution of any biochemical or cellular system, only a variety of wishful speculations" [Har91].

Biologist Lynn Margulis writes, "No evidence in the vast literature of heredity changes shows unambiguous evidence that random mutation itself, even with geographical isolation of populations, leads to speciation" [Mar03].

Bacteriologist Alan Linton, looking for confirmed primary speciation states, "None exists in the literature claiming that one species has been shown to evolve into another" [Lin01]. "Yes, small-scale evolution is a fact, but there is no reason to think it is unbounded. In fact, all our data suggests that small-scale evolution cannot produce the sort of large-scale change Darwinism requires" [Hun03].

At a Conference on Macroevolution, anthropologist Roger Lewin said, "The central question of the Chicago conference was whether the mechanisms underlying microevolution can be extrapolated to explain the phenomena of macroevolution. At the risk of doing violence to the position of some people at the meeting, the answer can be given as a clear, No" [Lew80]. "Much of the vast neo-Darwinian literature is distressingly uncritical... Natural selection has shown insidious imperialistic tendencies" [Fod10S]. "There is something wrong – quite possibly fatally wrong – with the theory of natural selection ... Neo-Darwinism is taken as axiomatic; it goes literally unquestioned."

[Fod10Wpviii-ix]. Biology Professor Scott Gilbert says, "Natural selection occurs within species. But natural selection alone cannot explain how butterflies got their wings of how the turtle got its shell. Once you have variation within species,
then natural selection can work. Do I think natural selection should be relegated to a less important role in the discussion of evolution? Yes I do" [Maz10p220].

From an information science perspective, Darwinism requires that random changes can produce new functional computer programs, and that randomly modifying an existing functional program can sometimes produce a program with increased functionality (concepts unknown to computer science). "Stunningly, information has been shown not to increase in the coding regions of DNA with evolution. Mutations do not produce increased information... the amount of coding in DNA actually decreases with evolution" [Abe09G].

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OOLprize, Origin of Life Prize, www.us.net/life/

Biblical Perspective:
The Genesis account of creation indicates that God created the heavens and the earth and all that is in them in 6 literal days. The language of these verses shows that the author intended his readers to understand that these were 6 literal days:

- use of the Hebrew word yom which, in most usages in the Bible, means a literal 24 hour day
- use of the repetitive formula “there was evening and morning”
- assignment of a number to each day
- The Hebrew language has words for plural of days but these are not used.
Six - 24 hour days is not sufficient time for evolutionary processes to be effective as an agent for creation.

Summary:

Certainly He “could” do anything, but not if the Bible is accurate, and not by using known science. All evolutionary scenarios for the origins of the cosmos, life and species lack verifiable scientific justification.

The 6 - 24 hour days of creation are obviously not enough time for an evolutionary process to be effective.
Chapter 4: Don’t creationist deny the laws of nature?

I. Scientific Perspective:

See notes on chapters 1 & 3.

II. Biblical Perspective:

No, creationists don’t deny the laws of nature, they believe them and uphold them.

God is the great Lawgiver.

The laws of nature exist because God has established them and this is God’s design to uphold and sustain the universe.

Christians believe that God is the great law-giver and that things exist and live by His divine, authoritative decree.

Some of the laws of nature are:

- biogenesis (life comes from life)
- planetary motion
- physics and chemistry
- the hydrological cycle
- mathematics
- the boundaries of the ocean (which God decreed)

...to name a few.

From the beginning, God worked in a very orderly, planned way; e.g. prepared the earth before creating mankind.

Events, times and purposes continue to proceed according to God’s great plan and power.

See ANSWERS Book 1 for additional details on the “Laws of Nature.”
Chapter 5: What about the gap and ruin-reconstruction theories?

What about the gap theory?

I. Scientific Perspective:

See notes on chapter 10. No scientific insights on this question.

II. Biblical Perspective:

Description of the theory:

A supposed unknown gap of time occurred between Gen. 1:1 and 1:2 in which the heavens and earth created in Gen. 1:1 became desolate and empty. (such as a countryside might look after a conquering army had gone through the land.) Some say it was ruined not simply unformed or unfilled.

The problem:

This theory presupposes the millions of years of geological time that is supposed to have shaped the world by the process of evolution. This is based upon the faulty supposition that the present is the key to the past...that the processes we see in the world today (e.g. decay) are and have been the same since the beginning of time. (uniformitarianism)

It is also the product of minds that are trying to force-fit the millions of years required for evolutionary processes into the Biblical account.

There are several Hebrew words and phrases which are at the center of the interpretation from which this theory is derived:

1. bara and asah –

One of the key verses substantiating the 6 days of creation is Ex. 20:11: “In six days, the Lord made (asah) heaven and earth...”

bara – to create “ex nihilo” (out of nothing)

asah – to make, to form, to fashion by cutting

Ex. 20:11 clearly states that God “made” (asah) the heavens and earth and everything in them in six days.
Gap theorists maintain that asah cannot mean to create ex nihilo (bara) but to form or even re-form. They claim that this passage cannot refer to the six days of creation but six days of reforming a ruined world.

The question: Are these two active verbs interchangeable?

A. Ex. 20:11 clearly states that God “made” (asah) the heavens and earth and everything in them in six days. The verb asah is used to describe the initial work of the verb bara in Gen. 1:1.

B. Scriptures such as Job 9:9, Prov. 8:26, Ps. 90:2, 95:5 and 100:3 are illustrations of the use of “asah” for activities that were originally described by the verb “bara.”

C. Passages such as Gen. 1:11-12, 1:21,25, 1: 26,27, 2:2-4, contain both words.

D. Passages that use “asah” and “bara” synonymously demonstrate the interchangeability: Gen. 2:4, Ex. 34:10, Isa. 41:20, 43:7, 45:7.

E. Isa. 43:7 uses all 3 creation verbs – bara, ‘asah and yatsar.

See “Unformed and Unfilled” by Weston Fields for additional proofs.

Conclusion: A review of pertinent Scriptures shows that “bara” and “asah” can be used interchangeably.

2. The “waw” (י) – the Hebrew character which is used as a conjunction

Waw types:

Consecutive expresses a sequence of time. (Note the many uses of the “waw” in Genesis Chapter 1, 30 waw’s in just the first 11 verses.)

Circumstantial, (disjunctive, also copulative) breaks the narrative sequence and provides explanatory details to the story.

It can be interpreted: and, but, now, then and several other usages depending on the context and the clauses to which it refers.
Hebrew grammatical studies show that the waw in 1:2a is circumstantial. The 3 clauses of v.1:2 provide explanatory details of what occurred in Gen.1:1.

The author pauses in his narrative to provide a description of the work done in 1:1.

3. the meaning of the verb *hayeta*:

Traditional translations have given us “was.”

Some believe that this verb means “came to be”

To interpret it “came to be” implies that God created the heavens and the earth on 1:1. In v.2 it became ruined (possibly by Satan in his rebellion when kicked out of heaven) and subsequently remade in 1:3ff.

Recognized grammarians, lexicographers and linguists have almost uniformly rejected the translation of “became” or “had become” based upon the grammatical phenomena of the verse.

Also, there is no indication in Scripture as to when Satan’s rebellion occurred during the historical accounts of the Bible; e.g. before or after the creation of man. All we can say is that after the creation of man, there was an unspecified period of time until the sin and Fall. (This is the first mention of the serpent in the Bible. Later in the Scriptures he is identified as Satan and the devil.)

4. tohu and bohu

The gap theory postulates a ruin-reconstruction theory.

Gen. 1:1 God created the heavens and the earth.
Gen. 1:2 And the earth *came to be ruined and desolate*. (alternate translation)

This is based on an interpretation of tohu and bohu utilizing Isa. 34:11 and Jer.4:23 a formlessness and emptiness resulting from Divine judgment. (Note: These are the only two locations in Scripture where this interpretation is provided.

However, this is not a valid rule of interpretation to force fit a definition into another scenario in which the context differs. (There is no Divine judgment in Gen. 1:2.)
Summary of tohu and bohu: Neither lexical definitions nor contextual usages require that we view Gen. 1:2 as the scene of judgment, i.e. a state of ruin due to Divine judgment.

Genesis 1:2 describes the earth in a perfect, yet unfinished state during the first part of the first day of creation.

5. Replenish
   
   From Gen. 1:28
   Hebrew word אָדglomer “male” 4390B

   From the 13th to 17th century, it meant to fill something that is empty.

   Then, the meaning was changed to mean refill.

Conclusion:

   The meaning of the 1st two verses of the Bible is that when God originally created the earth, it was without form, void (empty) and in darkness. It was unformed and unfilled. This can be likened to a lump of clay that a potter has just selected and is placed on his potter’s wheel. It is not ruined, it simply does not yet have form. The next thing he will do is to shape it and give it form. Once the shaping and forming is completed, God will fill it.

   It was through God’s creative energy that the world was then progressively formed and filled during the remaining “days of creation.”

Summary:

   There is no gap between Gen 1:1 and 1:2. The author simply pauses in his narrative to provide a brief description of the status of the work begun in verse 1.1. The earth, so far, is unformed and unfilled.

Reference: For more details on this issue, see “Unformed and Unfilled” A Critique of the Gap Theory by Weston Fields.
Chapter 6:  Cain’s Wife – Who was she?

I. Scientific perspective:

No scientific insights on this question, except that the lack of genetic defects would eliminate the prohibition of siblings marrying.

Note that scientific evidence indicates that the last common human female ancestor is approximately twice as distant as the last common male ancestor, which is compatible with Eve predating Noah (even though published dates are much older than implied by Genesis).

II. Biblical perspective?

Some say that, since “it is unlawful for a man to marry his sister,” there must have been other races on the earth who were not descendants of Adam and Eve. (see Lev. 18-20)

From one of these races, Cain must have taken a wife. e.g. Gen. 4:16 land of Nod

Response:

I Cor. 15:45 tells us that Adam was the first man created. This is consistent with the Genesis 2:7 record which states that there was no man (singular) to work the ground…then the Lord God formed the man (singular) out of the dust…”

God began by creating a single man not a whole group of men. He subsequently created woman using a part from the man. Gen 3:20 states that she was the mother of all living.

And they became one flesh.

The biblical record then records that Adam knew (had sexual relations with) his wife Eve. They conceived and gave birth to Cain and Abel.

This is the Biblical record of the origin of all mankind. The earth will be populated by the union of a man and a woman.

Gen. 4 speaks of 3 sons, Cain, Abel and Seth. These were within the first generation of children born on the earth.

Adam and Eve subsequently had more children, sons and daughters. Gen. 5:4.
The record does not indicate specifically when the daughters were born.

Cain’s wife must certainly have been taken from one of the first daughters born to Adam and Eve.

An objection: Some say that Cain could not have married a daughter of Adam because of the prohibition against a man marrying his sister.

But this prohibition was not given for another 2500 years. (see Lev. 18-20)

Also, since Adam and Eve had been created perfectly (no genetic defects) there would not be a concern for genetic deformities arising from similar defective genes combining in the parent couple.

By the time of Moses, the author of Leviticus, degenerative defects would have built up in the human race such that the prohibition of marrying a sister would become necessary to diminish the potential for human deformities.

**Summary:**

Cain’s wife was a daughter of Adam and Eve, his sister.

There was no prohibition against a man marrying his sister at this time. This would come more than 2 millennia later during the time of Moses.
Chapter 7: “Doesn’t Carbon-14 Dating Disprove the Bible?”

I. Scientific Perspective:

The ratio of $^{14}\text{C}/^{12}\text{C}$ in the atmosphere is currently increasing, indicating non-equilibrium. If little or no $^{14}\text{C}$ was present pre-flood, anything dated older than the flood would appear much older than actuality.

The graph below indicates 2 interpretations of radiometric data from a flood-time object whose $^{14}\text{C}/^{12}\text{C}$ ratio is 1/512 that of the current atmosphere. Point A assumes that nine 5730 year half-lives have elapsed, assuming constant atmospheric $^{14}\text{C}/^{12}\text{C}$ ratio (artifact would be 51,570 years old). If the $^{14}\text{C}/^{12}\text{C}$ ratio pre-flood were actually 1/512 that of the current atmosphere (point B), and the ratio increased exponentially post-flood (as would be normal to reach a new equilibrium), the flood-time object would be dated 9 times too old.

Few objects are actually dated >6,000 years old (the oldest living sequoia and bristlecone pine trees just over 4,000 years), far from the 60,000 year capability for $^{14}\text{C}$ dating.

Summary, the carbon-14 method when corrected for the flood can be useful but needs to be applied carefully.

And…its application is contained within the 60,000 year range and does not give millions and millions of years.
This Graph Illustrates Two Different Interpretations for the Age of a Sample Having 1/512 the C14 Concentration Found in Today's Biosphere.
II. Biblical Perspective:

Fossils of animals that have been discovered are said to have died and been buried and fossilized millions of years ago.

This would mean that death was occurring on the earth eons of years before Adam, who by use of the ages recorded in the bible (see Overlapping Ages of the Patriarch’s chart from Gen. 5 and 11 in chapter 2) lived on the earth approximately 6000 years ago.

Adam lived on the earth for an unrecorded number of years and then sin entered in. According to the Bible, there was no death before Adam sinned. (see Gen. 3; Rom. 5:12-14;)

Postulating death before Adam is inconsistent with the teachings of the Scriptures.

Summary:

The Scriptures are silent with regard to the carbon 14 dating method.

Creationists historically date the earth based upon the chronologies delineated in the Bible (Gen. 5 and 11). This provides an account of the creation based upon the testimony of those present at the time of creation. (Other historical records suggest that these genealogies may be missing some generations.)
Chapter 8: Could God really have created everything in six days? (day-age theory)

Are the days of creation ordinary 24 hour days?

The day-age theory supposes that the days of creation were long ages (as much as millions of years in duration.)

I. Scientific Perspective:

No scientific insights on this question, See chapter 1, 9, and 19 notes.

II. Biblical Perspective:

There are many uses of the word “day” in Scripture:

A few examples are:

- 24 hour day
- day as opposite to night
- “day of the Lord”
- days of someone’s life
- the days of someone…his age

However, to answer this question we need to focus on the use of “day” during the days of creation. Specifically, how did the author intend us to interpret “day” in the first chapter of Genesis.

Evidence:

A. A classical Hebrew-English lexicon defines the creation day as ordinary days as defined by evening and morning.

B. Contextual meaning:

For each of the days of creation (Gen. 1:5, 8,14,16, 18; 2:3) a number and the phrase “evening and morning” are used. The constant use of “evening and morning” to identify the creation days precludes references to anything but normal 24 hour days.

(You can’t have an evening and a morning equivalent to millions and millions of years.)
C. In other books of the Bible, *yom*, the Hebrew word for day, is used over 350 times. In most cases, it means an ordinary day of 24 hours.

D. There are Hebrew words that can be used for periods of time or indefinite time (*e.g.* *olam*, * qedem*), but none of them are used.

E. Most of the early church fathers accepted the day as a 24 hour day.

F. Ex. 20:8-11

In this passage, Moses gives a direct correlation between the days of our work week and the days of creation.

**Literary Style:**

Genesis 1 is a narrative in which God is the only character in the story. This passage is structured as a historical catalog of His creative acts.

**Golden Rule of Biblical Interpretation:**

“When the plain sense of Scripture makes common sense, seek no other sense. Therefore, take every word at its primary, ordinary, usual, literal meaning unless the facts of the immediate context, studied in the light of related passages and fundamental truths, clearly indicate otherwise.”

In this specific case, the facts of the text direct us to the primary, ordinary, usual, literal meaning of the word “yom”, *i.e.* one 24 hour day.

With this interpretation guideline in mind, it is important to read the passage and let it say what it says.

A straight forward reading of Genesis 1 and observing simply what the words say indicates that the author wanted the readers to know that God created the earth and all that is in them in 6 ordinary, 24 hour days.

Some suggest that “day” could refer to an age, a long period time such as millions and millions of years. But this is nowhere to be found in the text.

As an experiment, insert the words “millions and millions of years” in the place of day and read the passages of Genesis 1. Does it make sense? Others quote II Pet. 3:8 “…a day with the Lord is as a thousand years.”

1. This statement is a figure of speech, a simile. It is not an equation.
The author is not providing a unit of measure but is poetically stating what it’s like to be in God’s presence, i.e. timeless.

2. Even if a day were a thousand years, that would only give us 6000 years which is nowhere near millions and millions of years.

If you read chapter 1 without outside influences or preconceived notions, you could never get millions and millions of years from the reading. It just isn’t there.

Summary:

If we are prepared to let the words of the language speak to us in accordance with the context and normal definitions, without being influenced by preconceived ideas, then the word for day in Gen. 1 which is qualified by a number, the phrase “evening and morning,” and for day one “light and darkness” clearly means an ordinary day of approximately 24 hours.

The difficulty: People approach Genesis with the preconceived notion that the earth is billions of years old which is an unproven theory. They are now searching for a way to harmonize the teachings of evolution with that of Scripture.

The evidence of the text clearly indicates that a day equals approximately 24 hours.

There is no evidence in Genesis 1 to suggest that “a day” could be an age of millions of years.
Chapter 9: Does radiometric dating prove the earth is old?

Scientific Perspective:

If current rates were those of the past, most radiometric methods would indicate an old Earth. The date comparisons in this chapter using years, rather than ratios can be deceiving. For example, the 1,100 million year difference on page 121, represents a ratio of 0.51 (the oldest is less than double the youngest date). Although none of the findings indicate a young Earth, if the decay rates actually did change (convincing evidence is needed), the radiometric dating paradigm would be in need of revision. The most convincing evidence is probably radiohalos that indicate rapid “simultaneous” formation of multiple elements in granite.

Biblical Perspective:

The Scriptures do not specifically address radiometric dating.

A simple, straightforward reading of the Genesis account of creation shows that the days of creation were literal, 24-hour days. (See chapter 8 discussion)

This coupled with the genealogies of Genesis chapters 5 and 11 indicates an earth age in the range of 6,000 to 10,000 years.
Chapter 10: Was there really a Noah’s ark and a flood?

I. Scientific Perspective

Some topics for discussion:

A pre-flood water canopy (Mabbul vs Teom) may be indicated: Gen. 1:6-7, 2:5-6, 6:17, 7:6-7&11-12, 8:2, 9:14-15, Ps 18:7-15, Mat. 24:37-39, Heb. 11:7, 2 Pet. 2:5&3:5-6

Evidence of canopy (6-mile vapor/30-foot ice-water), which has no natural explanation:

- Long ages prior to flood, exponentially (95% with correlation) declining post-flood
- World-wide greenhouse (tropical vegetation/animals)

Flying pteranodons (50’ wingspan) requiring 2-3 times the current atmosphere for flight

Gigantism (40-ton dinosaurs, 25” wingspan insects) caused by increased oxygen pressure and decreased harmful radiation compared to today. If life-span of animals mirrored than of man, they would have lived 7-8 times as long as today. Reptiles grow throughout life, so that a 12-foot Komodo Dragon would have reached 100 feet.

The fossil record is world-wide, indicating rapid burial in water, with huge dinosaur graveyards, fossil-fuels indicating massive undecomposed living matter burial, and polystrate trees through up to 12 sediment layers.

The pre-flood Earth was considerably different than today (no high mountains, single continent, etc.).

About 1.7% of animals couldn’t survive a marine environment ("kinds" brings this down to approximately ¼%)

Ark had a 3,000,000 ft³ capacity (>500 cattle-cars).

Virtually all peoples have a catastrophic flood in their prehistoric legends and myths.

Mount St. Helens (5/18/80) earthquake/eruption, with 20,000 Hiroshima-sized bombs power, toppled 150 mi² of forest in 6 minutes, moving >1 mi³ of rock. The resulting hydraulic, mud, and lava flows deposited up to 600 feet of strata in the event, with erosion causing gullies up to 140 feet deep and
>200 feet wide. Millions of sinking logs caused massive organic build-up on the bottom of Spirit Lake, being surrounded by sediment (upright trees may form a "petrified forest"). Peat is being formed from bark rubbed from trees. “Million-year” changes occurred in <5 years.

II. Biblical Perspective

Regarding the ark:

Gen. 6:14f narrates God’s instruction to Noah to make an ark. He gives precise specifications for the building project.

Gen. 7:5 says that Noah did all that God had commanded him to do, i.e. he built the ark.

Regarding the flood:

Gen 6:17 God tells Noah that He is going to “bring a flood upon the earth to destroy all flesh…”

Gen. 7:11ff describes the actual event of the flood.

Gen. 1 uses the word “erets” when speaking of the earth.
Gen. 6-9 uses the same term 46 times when speaking of the earth.
The direct link to the creation account clearly indicates that the whole earth was covered by the waters of the flood to a depth of 15 cubits.

In Gen.6:13, 17, God says he will destroy all flesh except those on the ark. This would require that the entire earth be covered. “All flesh” would not have been contained just in the areas in and surrounding the Mesopotamian Valley. If a local flood had occurred, the inhabitants could simply have migrated to other locations on the earth.

“Everything that is upon the earth shall die.”

7:19 “And the waters prevailed so mightily on the earth that all the high mountains under the whole heaven were covered.” Sure sounds like a flood to me.

Gen. 7:20 “The waters prevailed above the mountains, covering them fifteen cubits deep. (1 cubit was 18-21” in length.)

The New Testament passages which refer to the flood use universal language. e.g. all, world (kosmos) see Mt. 24:37ff “so will it be at the coming of the son of man;” LK. 17:27; I Pet. 3:20 days of Noah while the ark was being built; II Pet. 2:5; Heb. 11:7
Summary: A world-wide, all encompassing flood in which all of the mountains were covered upon the face of the earth, is clearly taught by the Bible. A plain reading of the text of these passages and the evidence of NT Scriptures which speak of the ark and the flood as real events can draw no other conclusion.

The reasons for thinking that the earth was not completely covered come from other sources not within the text of the Scriptures.

According to the Scriptures, there was an ark and there was a world-wide flood.
Chapter 11  How did animals spread all over the world from where the ark landed?

I.  Scientific Perspective:

Land/ice bridges or floating islands are certainly possible.  The Chippewa River flowage in northern Wisconsin has many floating islands that are propelled by the wind, with many species of wildlife on-board.  Until becoming water-logged, massive numbers of trees probably floated about post-flood, with vines and other vegetation entangling them together.  These could have provided “rafts” for some species to migrate to lands inaccessible due to water barriers.

II.  Biblical Perspective:

We know from Scripture that the entire earth was covered with water up to 15 meters (Gen. 7:20) and that all breathing, land creatures perished in the flood except those on the ark.  (Gen. 7:21-23)

Possibilities:

1.  An ice age occurred after the flood, during which time the sea level was lowered.  This made it possible for animals to migrate over land bridges.

2.  The earth was divided (a continental breakup) during the time of Peleg*.  (see Gen. 10:25 – dated by Reese at 2218 B.C., approximately 100 years after the flood)

Migration to isolated areas would have occurred prior to the continental division.

*  Some believe that this refers to the tower of Babel and the division of the people into many different nations at that time due to the “confusion of tongues.”

3.  A third possibility is that travelers of the seas carried animals with them on their ships and brought them to other lands that were separated from their original lands by bodies of water.

Summary:  While there are several possible responses to this question, the Scriptures are silent on this issue.
Chapter 12: What really happened to the dinosaurs?

I. Scientific Perspective

The strongest evidence for contemporaneous existence with man are the drawings and other descriptions matching dinosaurs.

II. Biblical Perspective

We will need to address two questions:

1. When did the dinosaurs appear on the earth?
2. When did they become extinct or begin to diminish in numbers?

1. When did the dinosaurs appear on the earth?

In Gen. 1:24-25, we see that God created the land animals on day 6 and placed them on the earth. This would have included the dinosaurs. (Earlier versions of the Scriptures refer to them as dragons. e.g. see AKJV for 1611)

In the Genesis 6-8 account of the great flood, Noah was given instruction to take pairs and sevens of kinds of the animals on to the ark. This would have included dinosaurs which existed in probably fewer than 50 distinct kinds. Noah would have taken young dinosaurs because of size and food considerations. These dinosaurs would have survived the great flood and been released to repopulate the earth.

The book of Job, chapters 40 and 41, provides some unique insights into the existence of dinosaurs along side of man.

The Reese Chronological Bible places the account of Job during the time 1997 to 1967 B.C. which places him during the time of dinosaurs.

In 40:15, God tells Job to “behold the behemoth. The description of the animal provided here can only be a very large animal such as the Apatosaurus or the Brachiosaurus, either of which had tails like a cedar and could withstand the turbulence of a flood. (not a hippo or elephant as some commentators would have you to believe)

Note that God told Job to behold or “look at” the behemoth. This means that Job could physically see it; i.e., Behemoth, a dinosaur, was present with Job, a man.
God makes the same use of words in chapter 41 with Leviathan assuming that it is present such that Job could play with it, put a hook in its jaw or lay his hands on it. In essence, God is telling Job, a man, that you don’t want to mess with this animal, a dinosaur. The only way God could say this to Job was if there was the very real possibility of this man physically putting his hands on this dinosaur, i.e., the dinosaur was present with a man.

These 2 accounts of behemoth and leviathan alone lead me to believe that dinosaurs were on the earth during the time of Abraham (~2000 B.C.) They would have been the offspring of the dinosaurs that Noah had with him on the ark less than 250 years previous. (date of ark placed around 2219-2249 B.C.)

2. When did they become extinct or diminish in numbers?

The name dinosaurs was given birth in 1841 A.D. by Sir Richard Owen upon viewing the bones of Iguanadon and Megalosaurus. He realized that these bones represented a unique grouping of reptiles that had not yet been classified.

There are several possible reasons that the dinosaurs became mostly extinct:

1. Some species from the ark became extinct simply because they could not survive the change in the earth’s climate and vegetation after the flood.

2. The ice age (which covered approximately 1/3 of the earth), thought to have occurred after the great flood, would have brought on the demise of many dinosaurs due to extreme climate changes on and near the polar regions.

3. Dinosaurs would have been hunted for meat. (After the flood, God told man that he could eat the flesh of animals. Gen. 9:3-4) I imagine that an Apatosaurus would have provided a significant number of meals for the whole clan.

4. Dinosaurs would also have been hunted because they presented a danger to the people and a competition for the land. Certainly the large carnivores such as the Tyrranosaurus Rex would have been a big threat along with the larger dinosaurs (e.g. Brachiosaurus, Apatosaurus) which would have had huge appetites.

5. A T-Rex tooth or Megaraptor claw would have been great trophies for the hunters wall display.

6. There are indications that some dinosaur parts may have been useful for medicinal purposes.
7. Another possibility regarding the existence or non-existence of dinosaurs is that dinosaurs do continue to exist on the earth today, but only in limited numbers in remote climates that are conducive to their survival. (e.g. equatorial regions)

Historical records that exist today show the following (a partial listing):

600 B.C. A Babylonian cylinder seal shows a man pulling an arm off of a dragon.

326 B.C. Alexander the great was scared by great dragons that lived in caves.

2 cent A.D. A Roman mosaic illustrates 2 long-necked dragons fighting.

583 A.D. From historical records:
Beowulf slew many dragons.
At age 88, he killed Grendel, the dragon, by pulling off one of its arms and it bled to death.

Africa: Likouala swamp – 55,000 square miles
In the last 200 years, there have been many reports of dinosaurs, identified from drawings as an Apatosaurus.

Loch Ness – To this date, there have been over 11,000 documented sightings of an animal very much like an Elasmosaurus.

In many of these sightings, the people who saw the beast were asked to draw or describe what they saw. There is an amazing correlation between many of the accounts. And the figures drawn often closely resemble an Elasmosaurus.

1272 A.D. China – An emperor raised dragons to pull chariots in parades

1571 A.D. An ICA stone was discovered with the carving of a man and a dinosaur together.

1611 A.D. A Chinese emperor posted a position for a "royal dragon feeder"

Interesting note: While the Chinese were raising dinosaurs, the English were publishing the King James Bible.
Summary:

Many dinosaurs died out due to climate and vegetation changes. Still others would have been hunted and killed by man for various reasons. (See above)

And...it is possible that some few remaining dinosaurs still exist today in the remote regions of the earth.
Chapter 13: Why don’t we find human and dinosaur fossils together?

I. Scientific Perspective

Potential scenarios are as follows:

1. They occupied different environments. Man used ingenuity to postpone his demise.

2. Consistent with the flood account, the order of deposition in the fossil record would have been due to the order of burial during the flood and the local catastrophes that followed.

   During the flood, the people would have fled to the highest mountains and eventually clung to small boats and rafts as long as they could. Their bodies would have been last in the order of deposition or disintegrated in the cataclysms of the flood.

II. Biblical Perspective

So far, there have been no human fossils found within the flood sediments.

Those that have been found are believed to be in layers that most creationists consider to be dated after the flood.

3. Gen. 6:7; 7:23 God, in His anger over the rebellion and wickedness of the people on the earth declared:

   “I will destroy (blot out) man whom I have created from the face of the earth.”

   “destroy” Strong’s #: 4229B machah – to wipe out, to blot out, to be removed, to be destroyed, to put an end to

The lack of human fossils from the pre-flood population which died during the flood is due to the fulfillment of God’s promise to blot out man (and therefore his remembrance) from the face of the earth.

Summary: See possible answers above.
Chapter 14: Can catastrophic plate tectonics explain flood geology?

“Have the continents really moved apart?”

I. Scientific Perspective

Single continent Pangea fits current land areas quite well. Great crevices, up to 6 miles deep have been discovered as ocean trenches. Mountain building can occur rapidly from colliding plates.

II. Biblical Perspective

The Scriptures do not speak directly about continental drift or plate tectonics.

However, Gen. 1:9-10 indicates that the earth may, at one time, have been one land mass, a “super-continent.”

“And God said, “Let the waters under the heavens be gathered together into one place, and let the dry land appear.” And it was so. God called the dry land earth and the waters that were gathered together He called seas.” This is not the earth we see today.

One likely event that may have caused the drifting apart of the land is the great flood that occurred approximately 1600 years after the time of Adam.
This event is described in Gen. 7:11-12 “…on that day, all the fountains of the great deep burst forth and the windows of heaven were opened. And rain fell upon the earth forty days and forty nights.”

At the conclusion of 150 days of water prevailing on the earth (Gen. 7:24), the fountains of the deep and the windows of heaven were closed. Gen. 8:2. The abating of the waters is described in Ps. 104:5-9:

These were major cataclysmic events likely resulting in earthquakes, volcanoes, hurricanes, tidal waves, tornados,…probably every conceivable natural disaster.

The other possibility is that the earth divided during the time of Peleg. Gen. 10:25 (This could also be translated “lands being divided among peoples.”)

No additional biblical information is provided regarding this “dividing of the earth.”

Summary:

The Scriptures do not speak directly about continental drift or plate tectonics.

Two possibilities exist for the dividing of the land:

1. the cataclysmic events of Noah’s flood, and
2. the dividing of the earth during the time of Peleg.

From ANSWERS Book 1: (p.197)

“Many creationist geologists now believe the catastrophic plate tectonics concept is very useful as the best explanation for how the flood event occurred within the biblical framework for earth’s history. It is consistent with the biblical account which implies an original supercontinent that broke up during the flood with the resultant continents obviously then having to move rapidly (“sprint”) into their present positions.”
Chapter 15: Don’t creationists believe some “wacky” things?

I. Scientific Perspective:

Some do, some don’t. Those viewing belief in the supernatural as “wacky” would classify most creationists in that category.

II. Biblical Perspective:

This chapter of the ANSWERS Book 1 focuses on some accusations and/or misinformation purporting that Christians believe some strange things that are known not to be true. Some of this may be a fallback to primitive beliefs from earlier centuries.

Some examples: (for details see discussions in the ANSWERS Book 1)

1. Christians believe that the earth is flat.
   
   This may be due to wrongful interpretation of figurative passages such as Rev. 7:1 which speaks of the four corners of the earth.

2. Creationists take the whole Bible literally.

   Unfortunately, there are some who do believe this, and in doing so, ignore the numerous figures of speech (over 9000) and idioms of the Bible.

   Each figure of speech or idiom needs to be assessed and an appropriate literal meaning determined before accurate interpretation can occur.

3. Many Christians don’t have any evidence for their position.

   The truth is that Creationists have the same evidence that evolutionists have...bones, fossils, geologic structures. The difference is in the interpretation of the facts.

4. Some suppose that creationists believe that the earth is the same as it was in the beginning of creation.

   One doesn’t have to travel too far into the pages of the Bible to discover the flood and the tremendous changes that occurred to the earth during that cataclysmic event.

   Creationists also recognize that the initial creative process (ex nihilo by the spoken word of God) is no longer functional in the world as an operative process.
5. Some creationists are anti-science.

There are many creationists who are scientists and who can count the numbers of Christians that take seriously the admonition of Scripture to be prepared to give an answer for the things that you believe.

Summary:

See chapter 15 of the ANSWERS Book 1 for more detail and descriptions of these issues.
Chapter 16: Where does the ice age fit in?

I. Scientific Perspective

Nothing scientifically to add to the ANSWERS Book 1 description.

II. Biblical Perspective

The effects of at least one ice age are still with us today; e.g. giant sheets of ice in the polar regions such as Antarctica, glacial landforms and sediments.

There may be some references to an ice age in the book of Job:

37:9-10 "From its chamber comes the whirlwind, and cold from the scattering of winds. By the breath of God, ice is given, and the broad waters are frozen fast."

38:29-30 From whose womb did the ice come forth, and who has given birth to the frost of heaven? The waters become hard like stone, and the face of the deep is frozen.

References to “the broad waters” and the “face of the deep” may be references to a time during Job’s life when natural phenomena such as an ice age may have occurred. Job’s references indicate that he had either first-hand experience or knowledge of an ice age that was passed on to him from the previous generation. (Some scholars have estimated that Job must have lived in the period of time after the tower of Babel and before or during the time of Abraham.)

A possible timing of this “ice age” could have been after the flood when warm oceans after the flood and the high rate of cooling which would have occurred at the polar regions would have birthed extreme atmospheric conditions. This, in turn, would have created a storm system covering the arctic regions and generated large amounts of snow which would have become sheets of ice.

Summary: The Scriptures are largely silent regarding the ice age.
Chapter 17: Are there really different races?

How did all the different “races” arise?

Scientific Perspective:

Races exist because of selective breeding, with few genetic differences, all of which would become homogeneous via interbreeding.

Although there is no scientific justification, the title of Darwin’s book: "On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life" allowed people to justify their racism. Although Darwin didn’t cause racism, his writings provided perceived "scientific justification" (now debunked, thankfully) to believe non-Caucasians are less evolved.

Biblical Perspective:

Genesis 1-2 records that Adam and Eve were the father and mother of the human race.

God’s original creation was very good from which we can deduce that the first humans were perfect (without flaws).

Subsequently, all of Adam and Eve’s descendants were destroyed in a worldwide flood except Noah and his family, a total of eight persons. see Gen. 6-9.

Therefore, all peoples on the earth are now descendants of Noah who was a descendant of Adam and Eve.

From Acts 17:26, we learn that “God has made of one blood all nations of men.” (There is only one race…the human race.)

At the time of Noah, he and his family all spoke the same language. And by the time of the tower of Babel, this was still true. Gen. 11:1.

Chapter 11 provides the account of the people on the earth who banded together and pursued a city and tower project “lest they be dispersed throughout the earth.” Gen. 11:4

But this was not God’s plan who had instructed them to “be fruitful, multiply and fill the earth.” (Gen. 9:1)

God then intervened in their rebellious scheme and “confused their language so that they would not understand each other’s speech.” This means that God gave
many different languages to the people causing them to understand only those who spoke the same language that they were speaking.

To each one, the other’s languages must have sounded like “babble” because the name of the place was called “Babel.”

Therefore, the many different languages existing at this time came originally from God Himself.

**Summary:** According to the Scriptures, this is how numerous languages came to be spoken on the face of the earth.

**Note:** From ANSWERS Book 1, p.225

“But some people think there must be different races of people because there appear to be major differences between various groups, such as skin color and eye shape.

The truth though, is that these so-called “racial characteristics” are only minor variations among people groups. If one were to take any two people anywhere in the world, scientists have found that the basic genetic differences between these two people would typically be around 0.2 per cent – even if they came from the same people group. But these so-called “racial characteristics” that people think are major differences (skin color, eye shape, etc.) account for only 0.012 per cent of human biological variation.

In other words, the so-called "racial" differences are absolutely trivial…”
Chapter 18: Are ETs and UFO’s real?

I. Scientific Perspective:

Yes. Any flying object that has not been identified is a UFO (by definition). Beings existing other than on the Earth are ETs. The Bible includes descriptions of angels and demons, both of which are technically ETs. The Bible doesn’t explicitly state whether other beings exist, but there is no scientific evidence supporting their existence (and the Biblical account implies they don’t, for reasons highlighted in the book). A demon can even appear as an “angel of light” [2Cor 11:14], so they certainly could appear as an ET.

II. Biblical Perspective

The belief that there may be extraterrestrials comes largely from a belief in evolution which views the earth as “just another planet” where conditions were just right for life to form.

Purpose:

A study of the first 2 chapters of Genesis shows that the earth is unique.

Of all the planets and stars, the earth was designed to support life. (Isa. 45:18 “He formed it to be inhabited.”) This is the only planet that the Scriptures specifically say that God designed to be inhabited.

inhabit 3427B to sit, to dwell, to live or dwell in (M-W dictionary)

In Gen. 1:14: “And God said: Let there be lights in the expanse of the heavens to separate the day from the night. And let them be for signs and for seasons, and for days and years and let them be lights in the expanse of the heavens to give light upon the earth.”

lights: 3974B ma’or a luminous body, to emit light

So, here we see God’s purpose for “the lights in the expanse of the heavens”: to separate day from night, for signs and seasons, for days and years, and to give light upon the earth.

Where are the aliens?

If the earth is billions of years old and there are billions of planets, surely, by now, other life forms would have made contact with earth and its inhabitants.
Regarding UFOs:

The Scriptures are silent on the issue of UFO's.

Nevertheless, even though man has rejected the evidence of God that they have, they have not lost the desire and pursuit of life's purposes in questions such as “What is the purpose of life?” and “Is there life after death?” Rejecting the evidence of God does not cast away our desires for fellowship with Him. However, when God is denied, the God-shaped vacuum in the heart which seeks a God to worship, can never be filled in the manner God intended.

Unfortunately for the unbeliever, the true answers to these questions can never come since they have rejected the true source of the answer. Even now, people seek answers to “the vacuum of the heart” from other planets, other galaxies.

Angels and demons:

The Bible does speak of beings other than human; i.e. angels and demons. These are unseen spiritual beings which do have the ability to interact with humans. e.g. see Acts 16, Paul in Philippi encounters a demonized girl who is used for profit; also, during the ministry of Jesus on the earth, “He cast out many demons.”

See also book of Revelations for more on angels and demons.

Summary:

The earth was uniquely designed by God to be inhabited.

There are beings other than human identified in the Scriptures…spiritual beings called angels and demons which do have access to the earth.

To my knowledge, the Scriptures are silent regarding the issue of life on other planets.
Chapter 19: Does distant starlight prove the universe is old?

“How can we see distant stars in a young universe?”

I. Scientific Perspective

Several relativity-based scenarios seem scientifically sound, all yielding a young Earth in an old Universe.

Since time slows with increasing velocity and gravity (proven), IF “Let there be light” (Gen 1:3) was a “big bang” equivalent, the high velocity & high gravity would slow time so Einstein’s General Theory of Relativity can be used to calculate:

1st 24 earth hours = 8 billion yrs to external observer (e.g. God)
Next 4 billion years = day 2 (of 24 earth hours)
Day 6 would appear externally as 250 million years
First 6 24-hour earth days = 15.75 billion external years

Using GTR differently, Gerald Schroeder (in “Science of God”) calculates $10^{12}$ expansion of space-time produces 16.43 billion years for the first 6 earth-days of 24 hours.

Use caution when basing beliefs on partial understanding. Copernicus was “heretic” for sun-centered solar system since the Bible says “O sun, stand still” Josh 10:12 (not “Earth stop rotating”).

Flat-Earthers use “in the four corners of the earth” Rev 20:8 to bolster their belief. Don’t make “my belief” the criterion for salvation, e.g. – if you don’t believe Genesis, throw out Bible.

II. Biblical Perspective

The Scriptures are silent regarding an answer to this question.
Chapter 20: Did Jesus say he created in six literal days?

“What was Jesus’ view of the days of creation?”

I. Scientific Perspective:

Yes (see Biblical Perspective below), but science can’t prove it.

II. Biblical Perspective:

In John 1:1-3: “In the beginning was the Word (2nd person of the trinity), and the Word was with God, and the Word was God. He was in the beginning with God. All things were made through Him, and without Him, was not any thing made that was made.” Later, when He has taken on flesh, we learn that Jesus is the Word. This tells us that Jesus was present and active in the creation of the cosmos. During that time God (the Word) spoke and it came to be.

In addition, Col. 1:16-17 affirms the statement of John: “For by Him (Jesus) all things were created that are in heaven and on earth.”

In John 5:45-47 “Moses, the one you hope in, is the one who will accuse you. You should have believed his words but you don’t.” Jesus, in essence, tells us that we must believe what Moses wrote.

Moses wrote, in Ex. 20:11: “For in six days the Lord made the heavens and the earth, the sea and all that is in them, and rested the seventh day. This Scripture, in particular, provides the basis for our 7-day week. And, in this context, can only mean 7 literal 24 hour days.

There should be no difficulty in believing that He performed this work in 6 days. During His earthly ministry, we get a glimpse of that same power as He spoke and the healings, deliverances or miracles occurred. There was no waiting.

Whether he was turning water into wine, rebuking the sea or telling a lame man to pick up his bed and walk, there was no waiting. When He spoke to Lazarus in the tomb, he came forth. Lepers were cleansed and the demoniacs were set free. When Jesus performed miracles and healings, He merely spoke the Word (very similar to the creation week) and it was done. There was no delay.

There was one exception: Mk. 8:22-26 the blind man at Bethsaida

   Jesus spit on his eyes and laid his hands on him. He saw men as trees walking.
Jesus then laid his hands on his eyes again, and his sight was restored.

There is nothing in Scripture to indicate what was going on. But we do know that this all happened very quickly, probably within the space of a couple of minutes. We’re not told why it was necessary for Jesus to lay his hands on him a second time.

Summary:

The testimony of Scripture regarding Jesus’ activity on earth indicates that He regarded the Biblical accounts as true historical accounts and that the creation of the cosmos occurred in six literal days.

His earthly ministry revealed his ability to effect physical changes in people and in nature which occurred instantaneously. (no lengthy period of waiting)
Chapter 21: How did defense/attack structures come about?

How did bad things come about?

Supplementary Questions:

1. If God’s original creation was very good, why is nature “red in tooth and claw” now?
2. Did God create animals with defense-attack structures (DAS)?
3. Or were they redesigned after the fall?

Scientific Perspective:

Nothing scientific to add to Answers Book 1.

Biblical Perspective:

Key thoughts:

1. In Gen. 1:31 when God had finished his creative works, He pronounced it “very good. Everything was right. It was as it needed to be.

   The world before the fall had no death, disease or suffering. There were no thorns or thistles. The carnivorous part of the food chain as we presently know it did not exist prior to the sin and fall of man.

   Creation was not subject to the bondage of decay such as it is now. (see Rom. 8:22)

2. In Gen. 1:29-30, God gave plants to the animals for food.

   Man was specifically given meat ("every moving thing that lives" ESV) to eat after the flood. Gen. 9:3

3. Today’s environment shows many creatures with the ability to attack, kill and eat other animals. Other animals have defense mechanisms such as the skunk and the bombardier beetle. (Attack-Defense Systems DAS)

   And who would want to tangle with a kangaroo and its defensive kicking abilities.

   Other examples include snakes with poison-injecting fangs, large meat-eating cats and bears and the spider’s web to name a few.
And don’t forget the flesh-eating dinosaurs such as Tyrannosaurus Rex, the velociraptor and deinonychus.

So…when did these abilities which are suited to a fallen world but not needed before the fall, come to be?

- The Bible does give us some information and understanding regarding these questions but its revelation to us is not exhaustive; that is to say, God doesn’t tell us everything we want to know.

- One day, the world will be restored (Acts 3:21) to a state in which there will be no violence or death, sickness or disease..

  Isa. 11:6-9 …lambs, wolves, leopards, children, will all dwell together.

Background:

In Gen. 3:14ff, it is clear that there were physical changes to the serpent (crawl on your belly), the woman (pain in childbirth) and to the world (ground cursed, in pain man would eat of it in the sweat of his face…soil changed) and thorns and thistles now appear within the created order. It is possible that many other changes occurred due to the judgment of sin but these were not identified and were not given to man to record.

Also, due to the cataclysms of the flood (great deeps burst forth – probably including volcanic action and windows of heaven opening to pour forth huge amounts of water), there were changes to the earth’s surface.

An additional consideration is the possibility that a canopy covering the earth existed prior to the flood (see Gen. 1:7) This would have created a greenhouse effect throughout the earth promoting the prolific growth of plant life. If the greenhouse effect was removed during the “opening of the windows of heaven” and emptying of the waters above the earth, then plant life, as experienced before the flood, would have changed, most likely being diminished and reduced from “life in the greenhouse.”

In the post-flood climate, to be well-nourished by a vegetarian diet, although not impossible, would be difficult

1st possible answer: (God not involved)

The animals did not have DAS before the flood. These came about after the flood through “some unidentified change mechanism.”
2nd possible answer: (God involved)

The DAS now existing in animals today were, in some way and at some time, made by God.

Option A: The DAS were created during the “6 days of creation.”

Although not needed initially, they were present and somehow latent or masked.

Option B: After the sin and fall, God redesigned many existing creatures (no new ones created) by inserting new design information into their DNA.

Option C: There were no DAS before the fall and these were created after the flood.

This is an unlikely scenario since fossils of animals with DAS have been found in the flood sediment layers. This would imply that DAS were present before the flood. e.g. Ankylosaurus, Pachycephalasaurus, T-Rex.

Summary:

There is insufficient information from the Scriptures to determine exactly how the DAS came into being.

It is, however, clear from Scripture that before sin there was no need for DAS.
Chapter 22: Is natural selection the same thing as evolution?

I. Scientific Perspective:

See notes on chapter 3. No scientist doubts adaptability that is a built-in characteristic of all organisms. Environmental changes do cause microevolution through natural selection – those more fit to survive will do so, those not as fit will die or have reduced reproductive capacity.

II. Biblical Perspective:

The Scriptures are silent on this issue.

In general, creationists believe that natural selection is supported biblically, i.e. God built into living organisms the ability to survive in post-fall, post-flood environments.
Chapter 23      Hasn’t evolution been proven true?

“What about arguments for evolution?”

Scientific perspective:

Microevolution is a verifiable fact. Macroevolution is faith (see chapter 3 notes).

President Obama noted in his 2011 State of the Union address, "The quality of our math and science education lags behind many other nations."

Why is this? Because of America’s foundational principles, only 33% of Americans agree with Darwinism [2009 Zogby poll], and tend to "turn off" when speculations contrary to core beliefs are promoted as truth. In fact, a Journal "Science" [1/28/11, p404] paper indicated that only 28% of high school biology teachers "consistently implement the major recommendations and conclusions" concerning Darwinism. Their recommendation is for those "who cannot accept evolution as a matter of faith to pursue other careers."

Why should science be a matter of faith, instead of evidence-based? Why should those not adhering to the Darwinian faith be encouraged to leave science?

These questions are extremely important as America attempts to regain scientific leadership. The paper also notes that following this recommendation "would reduce the supply of teachers who are especially attractive to the most conservative school districts."

The Darwinian paradigm that is serving as the basis of science as presented today would not be a scientific problem if it were indeed unassailably substantiated. For over 20 years Programming of Life’s author believed, taught, and defended the "truth" of chemical and biological evolution, until confronted by the scientific realities. Thousands of scientists [pssiinternational.com/list.pdf & dissentfromdarwin.org] acknowledge that Darwinism CAN’T work, as shown in PoL.

Presidential Medal of Science winner biologist Lynn Margulis writes, "this Darwinian claim to explain all of evolution is a popular half-truth whose lack of explicative power is compensated for only by the religious ferocity of its rhetoric..."

No evidence in the vast literature of heredity changes shows unambiguous evidence that random mutation itself, even with geographical isolation of populations, leads to speciation" ["Acquiring Genomes: A Theory of the Origins of the Species," 2003, p29].

Rather than advancing the cause of scientific progress, Darwinism stifles it by forcing scientists to dogmatically ignore known scientific information. Darwinists
have repeatedly declared "undeniable proofs" (e.g. 98% of DNA is "junk" and numerous "proven transitional forms"), only to have those "proofs" debunked later by real science. Note that "micro-evolution," due to genetic changes within a species is accepted as verified fact by all scientists, but such changes have NEVER demonstrated a net increase in functional information that would be required to form a "higher" species.

The title of Darwin’s book was "On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life." Although Darwin didn't cause racism, his writings provided perceived "scientific justification" (now debunked, thankfully) to believe non-Caucasians are less evolved (so why is Darwin viewed favorably?).

It is likely that the “Extended Synthesis” will replace neo-Darwinism’s mutation/selection as “Truth.” This scenario blends all naturalistic evolutionary ideas into a framework that “must” contain the individual or combinational mechanisms for evolution. Darwinism is relatively easy to refute using known science, but the Extended Synthesis is a slippery target that is meant to be extended as needed. Textbooks ARE going to be re-written – what will they contain?

Although some believe the fossil record supports evolution, Paleontologist and evolutionary biologist Henry Gee notes, "To take a line of fossils and claim that they represent a lineage is not a scientific hypothesis that can be tested, but an assertion that carries the same validity as a bedtime story—amusing, perhaps even instructive, but not scientific" [Gee99].

Fossilized, animals fall clearly within one of a limited number of basic body plans with clear morphological differences [Hall (Brian), "Baupläne, Phylotypic Stages, and Constraint: Why There Are So Few Types of Animal," Evolutionary Biol.: 29, 1996.]. "The animal body plans (as represented in the fossil record) do not grade imperceptibly one into another, either at a specific time in geological history or over the course of geological history. Instead, the body plans of the animals characterizing the separate phyla maintain their distinctive morphological and organizational features and thus their isolation from one another, over time" [Meyer (Stephen), Marcus Ross, Paul Nelson, & Paul Chien, "The Cambrian Explosion: Biology's Big Bang," Darwinism, Design and Public Education, 2003,p333]. Dawkins writes concerning the invertebrate phyla fossils, "It is as though they were just planted there, without any evolutionary history" Dawkins (Richard), The Blind Watchmaker, 1996B, p229].

**Biblical Perspective:**

Evolutionists maintain that living organisms evolve from a lower state to a higher state by time and chance.

The creation account provided in Gen. 1 tells us that God created by the activation of His voice. He simply spoke a Word and that which did not exist,
came into existence...sun, moon, stars, the earth, plants and animals. This was accomplished in a brief period of 6 literal, 24 hour days. There was no time for evolutionary processes to work.

Nothing in the creation account indicates that God may have used evolutionary processes.

In Gen. 1, at the very beginning, we are told that God especially made mankind...the man and the woman. Man was made from the dust of the earth (not from a monkey) and God breathed life into him. The first woman was made by God from a part taken from Adam's side.

In addition, Scripture reveals that mankind was made in the likeness of God (not animals) and given dominion over all of the animals.

Also, numerous “kinds” of plants and animals were created. There is no indication from Scripture that one “kind” of life form was changed into another “kind” of life form. (a cat kind did not change into a bird kind)

Gen. 3 clearly teaches that death was introduced into the world as a result of Adam's sin. There was no death on the earth before mankind. (Evolution postulates millions and millions of years of death and dying before man began to exist.)

Summary:

Man was made by God on day 6. Evolutionary processes were not at work in the creation activities.
Chapter 24: Did dinosaurs turn into birds?

I. Scientific Perspective:

There’s no scientific evidence to suggest that they did.

Archaeopteryx no longer first bird. (article from NATURENEWS published July 27, 2011)

“Mounting evidence shows famous fossil more closely related to Velociraptor.

Analysis of fossil traits suggests that Archaeopteryx is not a bird at all. The latest discovery of a fossil that treads the line between birds and non-avian dinosaurs is leading paleontologists to reassess the creature that has been considered the evolutionary link between the two.

Archaeopteryx has long been placed at the base of the bird evolutionary tree. It has traits that have helped to define what it is to be a bird, such as long and robust forelimbs. Yet in recent years, the discoveries of numerous small, feathery dinosaurs have created a conundrum for paleontologists, raising questions about which animals are the ancestors of modern birds and which are just closely related cousins.” (see article for extended discussion)

II. Biblical Perspective:

1. Gen. 1:21 tells us that, on day 5 of the creation, God created “every winged fowl after its kind.” This included the birds that flew above the earth described in v.20.

The word “kinds” in Hebrew is the word miyn (meen) which indicates a species. This implies a genus or subgenus and comprising closely-related organisms potentially able to breed with one another.

Since they were to reproduce and multiply, the logical sequence would be that they reproduced according to their “kinds.”

2. On day 6, God created the land animals (after the winged creatures were created on day 5.)

Summary: From Scripture, God created the birds that fly before He created dinosaurs.
Therefore, He could not have created birds from dinosaurs because dinosaurs did not exist when the birds were created.
Chapter 25: Does archaeology support the Bible?

I. Scientific Perspective:

The Ebla Tablets include descriptions of many Biblical people, cities (Sodom, Gomorrah, Zoar, Jerusalem, Salim) and Creation. Jericho’s walls (Josh. 6:20) DID fall flat. Annihilated Canaanite tribes (Edomites, Moabites, etc.) existed and were extremely evil.

The events/circumstances of Daniel have been substantiated.

Dead Sea Scrolls verified many people, places, and events of New Testament.

"The excessive skepticism shown toward the Bible...has been progressively discredited.

Discovery after discovery has established the accuracy of the Bible as a source of history." (“The Archaeology of Palestine”)

II. Biblical Perspective:

For the following discussion, see “ANSWERS Book 1” chapter 25 for a detailed listing of the evidences from archaeology.

Archaeology has provided mankind with numerous “evidences” supporting the veracity of the Bible. These evidences are spread throughout the Bible from Genesis 1 through Revelation.

These evidences include:

- confirmation of Bible history often showing evidence of people and events referred to
- authentication of laws, customs, practices and gods
- additional facts regarding Biblical times and circumstances
- illumination of the meanings of words which proves to be a valuable asset in Biblical translations
- demonstration of the accuracy of Bible prophecies

The New ANSWERS Book 1 provides a mnemonic (p. 324) to assist the memory of the relevance of Biblical Archaeology:

SCALPS: S – Superiority (of the Biblical record over other documents of antiquity)
C - Customs
A - Additional Information
L - Language and Languages
P - Prophecy
S - Specific Incidents and People

See also the “Archaeological Study Bible” for additional evidences.
Chapter 26: Why does God’s creation include death and suffering?

I. Scientific Perspective:

Nothing scientific to add, but one could doubt the strictness of a vegetarian diet pre-flood as mentioned on page 327. “And Abel also brought an offering — fat portions from some of the firstborn of his flock. The LORD looked with favor on Abel and his offering” [Gen 4:4]. What was the purpose of Abel’s flock? Milk? Sacrifice? Entertainment? Food? What did Abel do with the non-fat portions, and the remainder of his herd?

II. Biblical Perspective:

1. In Gen. 1:31 when God had finished his creative works, He pronounced it “very good.”

The world before the fall had no death, disease or suffering. There were no thorns or thistles. The carnivorous part of the food chain as we presently know it did not exist prior to the sin and fall of man.

Creation was not subject to the bondage of decay such as it is now. (see Rom. 8:22)

In these creative works, God finished by creating man and woman and placing them in a garden called Eden. “It was all good, very good.”

As a part of creating mankind, God gave them a free will, the freedom to choose. It would be in the exercise of their free will to worship and obey God that God would receive glory.

As their Creator, He had authority over them and gave them a single rule to obey: “You shall not eat of the tree of the knowledge of good and evil.”

If they obeyed this rule, all would go well; but if they disobeyed, they would die.

2. At some point before Adam’s sin and fall, (when is not specified in Scripture), Satan, a ruling angel in heaven, rose up against God and rebelled. As punishment for his rebellion, he was cast down to the earth where he took on the form of a serpent. This form of the serpent would subsequently be changed as judgment for his part in deceiving Adam and Eve.
3. Gen. 3:1 tells the story of how he first tempted Eve to eat the fruit God had forbidden them to eat. Both Adam and Eve ate the forbidden fruit disobeying God’s one command.

4. The serpent, Adam, Eve and the creation were all judged and punishment meted out because of the rebellious actions of one man. Romans 5:15-19 tells us (5 times) that death came because of one man’s trespass (sin.)

- The serpent was consigned to crawl on his belly all of his days, suggesting that there were changes to his physical being.
- Adam would now have to work hard by the sweat of his brow to produce the crops needed for food.
- The ground was cursed. (another physical change) Thorns and thistles (weeds) would now grow among the plants of the field. (They did not exist prior to this time.)
- Eve would now bear children in pain. (a physical change to her anatomy)
- The husband would rule over the wife. (must have been parity prior to sin)
- When sin came, sickness and death also came. (Heb. literally: “dying they would die”)
- When children were born to Adam and Eve, they would now inherit his sinful nature. This would now be true of all of Adam’s descendants. As a result, all of Adam’s descendants would sin thereby rebelling against God.

The world God had created was no longer “very good” as God had created it. There were significant changes resulting in major degradations to the earth and its inhabitants.

Romans 5:12 summarizes: “…just as through one man sin entered the world and death through sin, and thus death spread to all men, because all sinned.”

Suffering and death are now a part of life on this earth, this being due to man’s sin and rebellion against God.
Chapter 27: How Can I Use This Information to Witness?

It takes effort and dedication to become equipped to counter the pseudo-scientific speculations that are portrayed as science.

However, many Christians have the view "The Bible says it, I believe it, and that settles it!"

While "blind faith" may be easiest, the Bible never encourages God's followers to take the easy road. We are told to "Always be prepared to give an answer to everyone who asks you to give the reason for the hope that you have" (1 Pet 3:15). We are also told to "Love the Lord your God with all your heart and with all your soul and with all of your mind" (Mt. 22:37).

Our heart cannot rejoice in what our mind rejects as false. By learning real science (from Latin "scientia," meaning truth), "Then you will know the truth, and the truth will set you free" (John 8:32). That freedom includes freedom from the nagging doubts planted in our minds by the purely naturalistic scenarios for the origins of life and species.

A listing of opportunities:

1. Study to learn scientific answers to Biblical questions (when appropriate) (such as we are doing in this series of classes)

2. Assure that an accurate biblical view of creation is taught in church training programs and classes.

3. Share your views with non-Christians when appropriate opportunities arise.

4. Use media (e.g. books, DVDs, etc.) to promote an understanding of the Biblical world view.

5. Teach your children from the Scriptures regarding the origin of mankind.
Chapter 28: “What is chance?”

The evolutionary perspective postulates that, over huge amounts of time (4 ½ billion years at this writing), the things that exist gradually came to be “by time and chance.”

Given enough time and chance, the original particles in the atmosphere (primordial soup with unknown origin) became a non-living substance such as a rock which eventually evolved into life forms and ultimately came to be the complex life forms we see in existence today.

Scientific Perspective:

Dictionary (Miriam Webster):

1. chance: something that happens without an apparent cause
2. the unpredictable element in existence; luck, fortune
3. opportunity
4. the likelihood of a particular outcome in an uncertain situation - probability
5. risk

Language:

Hebrew: Deut. 22:6 “If a bird’s nest chance to be before you…”
qara 7122 to meet, happen
I Sam. 6:9 “…it was a chance that happened to us.”
other translation: “coincidence”
miqre 4745 accident, chance
II Sam. 1:6 qara 7122 “By chance, I happened to be on mount…”
Eccl. 9:11 “…but time and chance happen to them all.”
pega 6294 occurrence, chance

In Ecclesiastes we see the unique juxtapositioning of time and chance both elements being outside of our control.

Greek: Luke 10:31 “…by chance a, priest was going down that road…”
sugkuria 4795 concurrence, to encounter accidentally
I Cor. 15:37 “…it may chance of wheat or some other grain:"

*tuchōi* 5177 happen, chance

Language summary:

Hebrew 3 words meaning to happen by chance, an occurrence by chance, to happen to encounter accidentally

- indicates something occurs that was not planned

Greek 2 words similar to the Hebrew in meaning

- indicates something occurs or happens without planning or foreknowledge, thought to be accidentally

What is chance?

A. One way of responding to this question is to identify what it is not.

1. It has no existence in reality.

2. It has no life, no intelligence, no mental capability, no mental apparatus for determining how a given substance should change to the next higher stage.

3. It has no energy nor motive force by which to make something happen (e.g. evolve to a higher state)

4. It has no corporal substance by which to touch or communicate with mass and energy.

5. It has no sensual apparatus such as we have for seeing, hearing, touching and smelling.

B. What then, is it?

1. It is a conceptual thought in the minds of men regarding the potential for an event to occur. (a thought process)

2. It is a method of measuring or forecasting the potential for something to occur. (probability)
3. In Scripture it is used to indicate an occurrence or something that happens or occurs without aforethought or planning, by accident.

**Biblical Perspective:**

The Scriptures esp. Gen.1 indicate that the heavens and the earth (cosmos) came into being by the powerful spoken word of God. They were birthed in the chambers of His voice.

This creative act was performed with purpose, intelligent design, wisdom, precision, order and power calling things into existence that did not exist.

God simply spoke and they came into being…planets, stars, animals, plants and animals. They came into being as God spoke. There is no evidence from Scripture that these creation acts occurred by chance or just happened accidentally over long periods of time.

The evidence of our own existence tells us that if we leave any system to itself without the intervention of intelligence, that system will go to a lower state of existence. (2\textsuperscript{nd} Law of Thermodynamics)
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