

EVIDENCE FOR A YOUNG WORLD

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Here are a dozen natural phenomena which conflict with the evolutionary idea that the universe is billions of years old.

The numbers I list below in bold print (often millions of years) are **maximum possible** ages set by each process, not the actual ages. The numbers in italics are the *ages required by evolutionary theory* for each item. The point is that the maximum possible ages are always much less than the required evolutionary ages, while the biblical age (6,000 to 10,000 years) always fits comfortably within the maximum possible ages. Thus the following items are evidence against the evolutionary time scale and for the biblical time scale.

Much more young-world evidence exists, but I have chosen these items for brevity and simplicity. Some of the items on this list can be reconciled with an old universe only by making a series of improbable and unproven assumptions; others can fit in only with a young universe. The list starts with distant astronomic phenomena and works its way down to earth, ending with everyday facts.

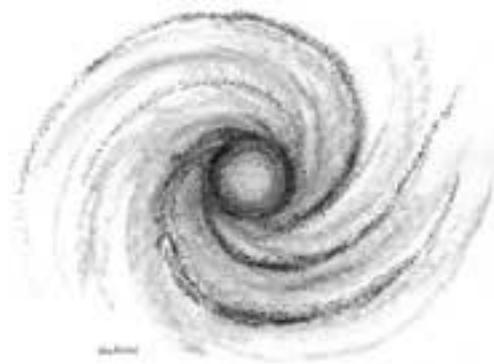
1

Galaxies wind themselves up too fast

The stars of our own galaxy, the Milky Way, rotate about the galactic center with different speeds, the inner ones rotating faster than the outer ones. The observed rotation speeds are so fast that if our galaxy were more than **a few hundred million years** old, it would be a featureless disc of stars instead of its present spiral shape.¹

Yet our galaxy is supposed to be at least *10 billion years* old. Evolutionists call this 'the winding-up dilemma,' which they have known about for fifty years. They have devised many theories to try to explain it, each one failing after a brief period of popularity. The same 'winding-up' dilemma also applies to other galaxies.

For the last few decades the favored attempt to resolve the dilemma has been a complex theory called 'density waves.'¹ The theory has conceptual problems, has to be arbitrarily and very finely tuned, and lately has been called into serious question by the Hubble Space Telescope's discovery of very detailed spiral structure in the central hub of the 'Whirlpool' galaxy, M51.²



2

Comets disintegrate too quickly

According to evolutionary theory, comets are supposed to be the same age as the solar system, about *5 billion years*. Yet each time a comet orbits close to the sun, it loses so much of its material that it could not survive much longer than about **100,000 years**. Many comets have typical ages of **10,000 years**.³

Evolutionists explain this discrepancy by assuming that (a) comets come from an unobserved spherical

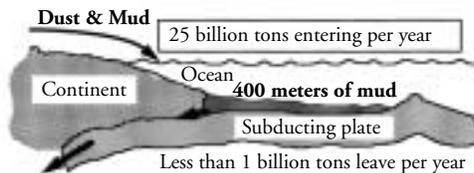
'Oort cloud' well beyond the orbit of Pluto, (b) improbable gravitational interactions with infrequently passing stars often knock comets into the solar system, and (c) other improbable interactions with planets slow down the incoming comets often enough to account for the hundreds of comets observed.⁴ So far, none of these assumptions has been substantiated, either by observations or realistic calculations.



Lately, there has been much talk of the 'Kuiper Belt,' a disc of supposed comet sources lying in the plane of the solar system just outside the orbit of Pluto. Even if some bodies of ice exist in that location, they would not really solve the evolutionists' problem, since according to evolutionary theory the Kuiper Belt would quickly become exhausted if there were no Oort cloud to supply it.

3

Not enough mud on the sea floor



Each year, water and winds erode about 25 billion tons of dirt and rock from the continents and deposit it in the ocean.⁵ This material accumulates as loose sediment (i.e., mud) on the hard basaltic (lava-formed) rock of the ocean floor. The average depth of all the mud in the whole ocean, including the continental shelves, is less than 400 meters.⁶

The main way known to remove the mud from the ocean floor is by plate tectonic subduction. That is, sea floor slides slowly (a few cm/year) beneath the continents, taking some sediment with it. According to secular scientific literature, that process presently removes only 1 billion tons per year.⁶ As far as anyone knows, the other 24 billion tons per year simply accumulate. At that rate, erosion would deposit the present amount of sediment in less than **12 million years**.

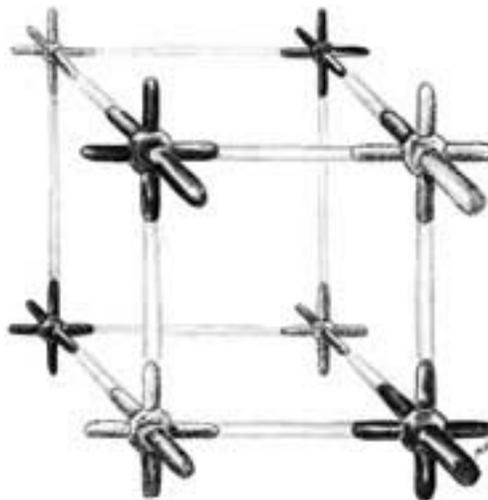
Yet according to evolutionary theory, erosion and plate subduction have been going on as long as the oceans have existed, an alleged *3 billion years*. If that were so, the rates above imply that the oceans would be massively choked with mud dozens of kilometers deep. An alternative (creationist) explanation is that erosion from the waters of the Genesis flood running off the continents deposited the present amount of mud within a short time about 5000 years ago.



4

Not enough sodium in the sea

Every year, rivers⁷ and other sources⁹ dump over 450 million tons of sodium into the ocean. Only 27% of this sodium manages to get back out of the sea each year.^{8,9} As far as anyone knows, the remainder simply accumulates in the ocean. If the sea had no sodium to start with, it would have accumulated its present amount in less than 42 million years at today's input and output rates.⁹ This is much less than the evolutionary age of the ocean, *3 billion years*. The usual reply to this discrepancy is that past sodium inputs must have been less and outputs greater. However, calculations which are as generous as possible to evolutionary scenarios still give a maximum age of only **62 million years**.⁹ Calculations¹⁰ for many other sea water elements give much younger ages for the ocean.

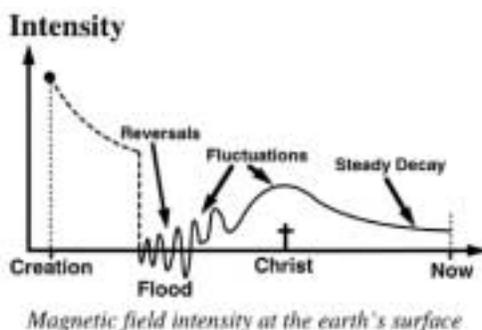


5

The earth's magnetic field is decaying too fast

The total energy stored in the earth's magnetic field has steadily decreased by a factor of 2.7 over the past 1000 years.¹¹ Evolutionary theories explaining this rapid decrease, as well as how the earth could have maintained its magnetic field for *billions of years*, are very complex and inadequate.

A much better creationist theory exists. It is straightforward, based on sound physics, and explains many features of the field: its creation, rapid reversals during the Genesis flood, surface intensity decreases and increases until the time of Christ, and a steady decay since then.¹² This theory matches paleomagnetic, historic, and present data.¹³ The main result is that the field's total energy (not surface intensity) has always decayed at least as fast as now. At that rate the field could not be more than **10,000 years** old.¹⁴



6

Many strata are too tightly bent

In many mountainous areas, strata thousands of feet thick are bent and folded into hairpin shapes. The conventional geologic time scale says these formations were deeply buried and solidified for *hundreds of millions of years* before they were bent. Yet the folding occurred without cracking, with radii so small that the entire formation had to be still wet and unsolidified when the bending occurred. This implies that the folding occurred **less than thousands of years** after deposition.¹⁵

7

Injected sandstone shortens geologic 'ages.'

Strong geologic evidence¹⁶ exists that the Cambrian Sawatch sandstone—formed an alleged 500 million years ago—of the Ute Pass fault, west of Colorado Springs, was still unconsolidated when it was extruded up to the surface during the uplift of the Rocky Mountains, allegedly 70 million years ago. It is very unlikely that the sandstone would not solidify during the supposed *430 million years* it was underground. Instead, it is likely that the two geologic events were **less than hundreds of years** apart, thus greatly shortening the geologic time scale.

8

Fossil radioactivity shortens geologic 'ages' to a few years.

Radiohalos are rings of color formed around microscopic bits of radioactive minerals in rock crystals. They are fossil evidence of radioactive decay.¹⁷

'Squashed' Polonium-210 radiohalos indicate that Jurassic, Triassic, and Eocene formations in the Colorado plateau were deposited **within months** of one another, not *hundreds of millions of years* apart as required by the conventional time scale.¹⁸ 'Orphan' Polonium-218 radiohalos, having no evidence of their mother elements, imply either instant creation or **drastic changes in radioactivity decay rates.**^{19,20}



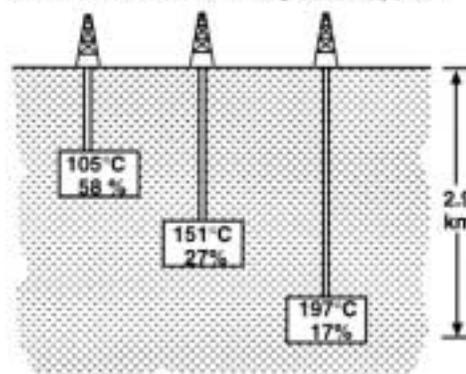
9

Helium in the wrong places

All naturally occurring families of radioactive elements generate helium as they decay. If such decay took place for billions of years, as alleged by evolutionists, much helium should have found its way into the earth's atmosphere. The rate of loss of helium from the atmosphere into space is calculable and small. Taking that loss into account, the atmosphere today has only 0.05% of the amount of helium it would have accumulated in 5 billion years.²¹ This means the atmosphere is much younger than the alleged evolutionary age.

A study published in the *Journal of Geophysical Research* shows that helium produced by radioactive decay in deep, hot rocks has not had time to escape. Though the rocks are supposed to be over *one billion years* old, their large helium retention suggests an age of only **thousands of years.**²²

Helium retention in Jemez Caldera, NM



10

Not enough Stone Age skeletons

Evolutionary anthropologists say that the Stone Age lasted for at least *100,000 years*, during which time the world population of Neanderthal and Cro-magnon men was roughly constant, between 1 and 10 million. All that time they were burying their dead with artifacts.²³ By this scenario, they would have buried at least 4 billion bodies.²⁴ If the evolutionary time scale is correct, buried bones should be able to last for much longer than 100,000 years, so many of the supposed 4 billion Stone Age skeletons should still be around (and certainly the buried artifacts). Yet only a few thousand have been found. This implies that the Stone Age was much shorter than evolutionists think, **a few hundred years** in many areas.



11

Agriculture is too recent

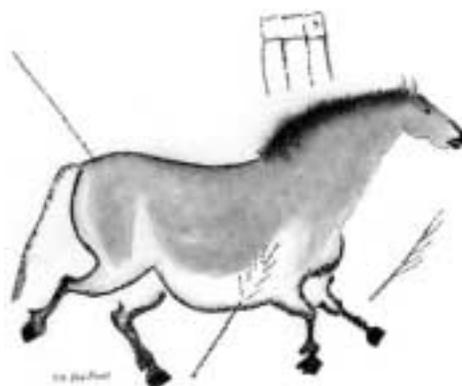
The usual evolutionary picture has men existing as hunters and gatherers for *100,000 years* during the Stone Age before discovering agriculture less than 10,000 years ago.²³ Yet the archaeological evidence shows that Stone Age men were as intelligent as we are. It is very improbable that none of the 4 billion people mentioned in item 10 should discover that plants grow from seeds. It is more likely that men were without agriculture **less than a few hundred years** after the flood, if at all.²⁴

12

History is too short

According to evolutionists, Stone Age man existed for *100,000 years* before beginning to make written records about **4000 to 5000 years** ago. Prehistoric man built megalithic monuments, made beautiful cave paintings, and kept records of lunar phases.²⁵ Why would he wait a thousand centuries before using the same skills to record history? The biblical time scale is much more likely.²⁴

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Here's the Good News

Answers in Genesis seeks to give glory and honor to God as Creator, and to affirm the truth of the Biblical record of the real origin and history of the world and mankind.

Part of this real history is the bad news that the rebellion of the first man, Adam, against God's command brought death, suffering, and separation from God into this world. We see the results all around us. All of Adam's descendants are sinful from conception (Psalm 51:5) and have themselves entered into this rebellion (sin). They therefore cannot live with a holy God, but are condemned to separation from God. The Bible says that 'all have sinned, and come short of the glory of God' (Romans 3:23) and that all are therefore subject to 'everlasting destruction from the presence of the Lord and from the glory of His power' (2 Thessalonians 1:9).

But the good news is that God has done something about it. 'For God so loved the world, that He gave his only-begotten Son, that whoever believes in Him should not perish, but have everlasting life' (John 3:16).

Jesus Christ the Creator, though totally sinless, suffered, on behalf of mankind, the penalty of mankind's sin, which is death and separation from God. He did this to satisfy the righteous demands of the holiness and justice of God, His Father. Jesus was the perfect sacrifice; He died on a cross, but on the third day, He rose again, conquering death, so that all who truly believe in Him, repent of their sin and trust in Him (rather than their own merit), are able to come back to God and live for eternity with their Creator.

Therefore: 'He who believes on Him is not condemned, but he who does not believe is condemned already, because he has not believed in the name of the only-begotten Son of God' (John 3:18). The Bible also says, 'If we confess our sins, He is faithful and just to forgive us our sins, and to cleanse us from all unrighteousness' (1 John 1:9).

What a wonderful Savior—and what a wonderful salvation in Christ our Creator!

(If you want to know more of what the Bible says about how you can receive eternal life, please write or call the *Answers in Genesis* office nearest you)

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