

Quiz: Formation of The Earth

1. Scientists think that the early Earth was completely molten. According to the video, what caused the Earth to heat up to the point that it melted completely?
a. spinning b. nuclear fusion c. plate movement d. radioactive rocks
2. As soon as the Earth melted, layers began to form. Why did the Earth's materials separate into different layers?
a. Plate tectonics shifted the material.
b. Dense materials sank to the core.
c. Cooling of the Earth caused layers to separate.
d. Nuclear fusion in the Earth created iron in the core.
3. What method did scientists use to figure out the actual age of the earth?
a. Radiometric dating b. Measuring the Earth's size
c. Measuring the heights of mountains d. Measuring the Earth's temperature
4. Scientists used rock samples to find the true age of the earth. Where did they get those samples?
a. The Earth's Surface b. Meteorites c. Deep inside Earth d. Amazon.com
5. Based on the most accurate measurements, how old is the Earth?
a. 1.5 billion years b. 2.5 billion years c. 3.5 billion years d. 4.5 billion years
6. There is not as much iron in the moon as there is in the Earth. This is a clue suggesting that the moon formed from material that came from _____.
a. Earth's crust b. Earth's Core c. Meteors d. The Asteroid Belt
7. Scientists think that much of the Earth's water came from _____.
a. Aliens b. Inside the Earth c. Bacteria d. meteorites
8. The discovery of _____ in meteorites suggest that the building blocks of life came from space.
a. DNA b. Amino acids c. Bacteria d. Living Cells
9. Before about 3.5 billion years ago, there was no oxygen on the Earth. Scientists think the Earth's oxygen was **first** produced by _____?
a. Volcanoes b. Trees c. Breathing Organisms d. Blue-green Algae (Cyanobacteria)
10. Where did most of our planet's coal, oil, and gas deposits come from?
a. Decaying plants b. Skeletons c. Meteors d. The Moon