

# Geology Study Guide

## Chapters 13 & 15

### Multiple Choice

1. The word *geology* literally means “the study of the earth.”
2. The three basic layers of the earth are the crust, mantle and core.
3. The crust is the thinnest basic layer of the earth.
4. “The present is the key to the past” is associated with the doctrine of uniformity.
5. Evolutionists currently believe that the earth’s age is 4-5 billion years old.
6. Radiocarbon dating is fairly accurate for carbon-containing specimens younger than 5,000 years.
7. Geologists study rocks, fossils, earthquakes, and volcanoes.
8. Scientists believe the earth’s core is composed mostly of iron.
9. Adam and Eve were created as adults.
10. Large deposits of fossils are called fossil graveyards.
11. Radiocarbon dating is based on the decay of carbon-14.
12. Rocks formed from minerals precipitated from water are chemical sedimentary rock.
13. Polystrate fossils extend through several strata.
14. Coal was formed primarily from plant remains.
15. The type of rocks that appear to have been changed from their original form is metamorphic.
16. Fossil fuels include coal, oil, and natural gas.
17. Fossils used by evolutionists to determine the age of rock strata are called index fossils.
18. Fossils are found in sedimentary rock.

### Matching

19. The core is the deepest layers of the earth’s interior.
20. The crust is the earth’s outer layer on which we live.
21. Fossil graveyards are heaps of fossils.
22. Geology is the study of the processes and structures of the earth.
23. The Kola project has drilled the deepest hole.
24. The mantle is the layer extending from the crust to the outer core.
25. The Moho is the boundary between the crust and the mantle.
26. Material which has settled out of a body of water is sediment.
27. The sedimentary layers of the earth’s crust is called strata.
28. Ussher performed genealogical dating.

### True/False

29. Layers are one of the most outstanding characteristic features used in identification of sedimentary rocks.
30. Reliable dating methods have not established the geologic time scale.
31. The mantle is hotter than the crust.

32. Many Bible scholars are confident that the earth is less than ten thousand years old.
33. Polystrate fossils give clear-cut evidence that sediment was deposited rapidly.
34. Creationists believe that many fossils found in sedimentary rocks are the result of the Flood.

Fill in the Blank

35. Geologists studied earthquakes to learn about the presence of layers in the earth's interior.
36. A Geiger counter is used by scientists to measure the amount of radioactive C-14 in an object.
37. Lava is called magma before it reaches the surface.
38. A matrix is a material in which something such as a fossil is embedded.
39. Coal is the solid fossil fuel.
40. Oil is the liquid fossil fuel.
41. Natural gas is the gaseous form of a fossil fuel.
42. The coolest layer of the earth is the crust.
43. The mass of the Earth in tons is 6.6 sextillion tons.
44. Radiocarbon dating is used only with materials that contain the element carbon.
45. Vertical deposits of halite are called salt domes.
46. Rock hounds are people who collect rocks as a hobby.

Extra Credit: List as many characteristics that point to the Shroud of Turin as being the burial cloth used to bury Jesus.