

Geology Fundamentals

Geology · Answer Key · 15 Questions

1. What is the hardest natural mineral on the Mohs scale?

- A) Quartz
- B) Diamond**
- C) Topaz
- D) Feldspar

2. Which type of rock is formed from cooling magma or lava?

- A) Igneous**
- B) Sedimentary
- C) Metamorphic
- D) Fossiliferous

3. What is the thin, outermost layer of the Earth called?

- A) Mantle
- B) Core
- C) Crust**
- D) Atmosphere

4. Which of these is a sedimentary rock?

- A) Basalt
- B) Granite
- C) Marble
- D) Sandstone**

5. What geological process causes the Earth's tectonic plates to move?

- A) Erosion
- B) Convection currents**
- C) Volcanic eruptions
- D) Weathering

6. Which rock type is formed by extreme heat and pressure?

- A) Metamorphic**
- B) Igneous
- C) Sedimentary
- D) Volcanic

7. What instrument is used to measure the magnitude of an earthquake?

- A) Barometer
- B) Thermometer
- C) Seismograph**
- D) Hygrometer

8. Which layer of the Earth is composed primarily of liquid iron and nickel?

- A) Inner core
- B) Outer core**
- C) Crust
- D) Mantle

9. What do you call a scientist who studies rocks and the Earth?

- A) Biologist
- B) Chemist
- C) Geologist**
- D) Astronomer

10. Which of these describes the process of breaking down rocks into smaller pieces?

- A) Weathering**
- B) Metamorphism
- C) Subduction
- D) Crystallization

11. What is the most abundant gas in the Earth's atmosphere?

- A) Oxygen
- B) Carbon dioxide
- C) Nitrogen**
- D) Hydrogen

12. Which of these is an example of a mineral?

- A) Coal
- B) Quartz**
- C) Plastic
- D) Glass

13. What is the name of the supercontinent that existed millions of years ago?

- A) Gondwana
- B) Pangaea**
- C) Laurasia
- D) Rodinia

14. Which of these is a metamorphic rock?

A) Limestone

B) Slate

C) Basalt

D) Obsidian

15. What is the hot, molten rock found beneath the Earth's surface called?

A) Lava

B) Magma

C) Ash

D) Sediment