

Foundations of Geology

Geology · Answer Key · 10 Questions

1. Which scale is used to measure the hardness of minerals?

- A) Richter scale
- B) Mohs scale**
- C) Beaufort scale
- D) Saffir-Simpson scale

2. What type of rock is formed from the cooling and solidification of molten magma or lava?

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

3. Which layer of the Earth is located directly beneath the crust?

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

4. The San Andreas Fault is an example of which type of plate boundary?

- A) Transform boundary**
- B) Divergent boundary
- C) Convergent boundary
- D) Passive margin

5. What is the primary mineral component of limestone?

- A) Quartz
- B) Calcite**
- C) Feldspar
- D) Mica

6. Which geological era is commonly known as the 'Age of Reptiles'?

- A) Paleozoic
- B) Cenozoic
- C) Mesozoic**
- D) Proterozoic

7. What is the name of the supercontinent that existed approximately 300 million years ago?

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

8. Which of these is a metamorphic rock formed from shale?

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

9. What process involves the breaking down of rocks at the Earth's surface by water, wind, or ice?

- A) Deposition
- B) Weathering**
- C) Subduction
- D) Lithification

10. Which element is the most abundant by mass in the Earth's crust?

- A) Iron
- B) Silicon
- C) Oxygen**
- D) Aluminum