

Earth's Secrets: A Geological Journey

Geology · Answer Key · 6 Questions

1. What is the primary force responsible for the movement of Earth's tectonic plates?

- A) Solar winds
- B) Tidal forces from the Moon
- C) Convection currents in the mantle**
- D) Earth's magnetic field

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

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

3. Which mineral is known as the hardest naturally occurring substance, scoring 10 on the Mohs scale of hardness?

- A) Quartz
- B) Talc
- C) Diamond**
- D) Corundum

4. What is the thinnest and outermost solid layer of the Earth?

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

5. The Mesozoic Era, famous for dinosaurs, is a subdivision of which Eon in the geological time scale?

- A) Archean
- B) Proterozoic
- C) Phanerozoic**
- D) Hadean

6. What instrument is used to detect and record seismic waves generated by earthquakes?

- A) Barometer
- B) Seismograph**
- C) Anemometer
- D) Spectrometer