

Earth Science Essentials

Earth Science · Answer Key · 8 Questions

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

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

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

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

3. Which scale is used to measure the magnitude of earthquakes?

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

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

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

5. Which process involves the movement of water from the Earth's surface into the atmosphere?

- A) Condensation
- B) Precipitation
- C) Transpiration
- D) Evaporation**

6. What is the name of the boundary where two tectonic plates move away from each other?

- A) Convergent boundary
- B) Transform boundary
- C) Divergent boundary**
- D) Subduction zone

7. Which ocean is the deepest in the world?

- A) Atlantic Ocean
- B) Indian Ocean
- C) Arctic Ocean

D) Pacific Ocean

8. What atmospheric layer contains the ozone layer that absorbs ultraviolet radiation?

- A) Troposphere
- B) Stratosphere**
- C) Mesosphere
- D) Thermosphere