

# Exploring Planet Earth

Earth Science · Answer Key · 8 Questions

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**1. Which layer of the Earth is the outermost and thinnest?**

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

**2. What was the name of the supercontinent that existed about 300 million years ago?**

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

**3. What gas makes up approximately 78% of Earth's atmosphere?**

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

**4. Which type of rock forms from the cooling and solidification of molten magma or lava?**

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

**5. The process by which water vapor changes into liquid water droplets to form clouds is called:**

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

**6. What instrument is used to measure and record the vibrations of an earthquake?**

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

**7. Which process describes the breaking down of rocks at the Earth's surface by wind, water, or ice?**

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

**8. What is the primary driving force behind the movement of Earth's tectonic plates?**

- A) Ocean currents
- B) Mantle convection**
- C) Moon's gravity
- D) Earth's rotation