High School Earth Science Foundations

Earth Science · Answer Key · 15 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 primary gas that makes up Earth's atmosphere?

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

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

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

4. What is the name of the scale used to measure the intensity of an earthquake?

A) Richter scale
B) Mohs scale
C) Beaufort scale
D) Fujita scale

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

A) Precipitation
B) Condensation
C) Evaporation
D) Infiltration

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

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

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7. Which of the following is considered a fossil fuel?

A) Solar energy
B) Coal
C) Wind energy
D) Geothermal energy

8. In which layer of the atmosphere does most weather occur?

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

9. What is the most abundant mineral found in Earth's crust?

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

10. Which of these planets is known as a terrestrial planet?

A) Jupiter
B) Saturn
C) Mars
D) Neptune

11. What is the primary force that drives the movement of tectonic plates?

A) Earth's rotation
B) Lunar gravity
C) Convection currents in the mantle
D) Solar radiation

12. Which mineral property refers to the way a mineral reflects light?

A) Hardness
B) Streak
C) Cleavage
D) Luster

13. What is the age of the Earth estimated to be?

A) 4.6 million years
B) 4.6 billion years
C) 13.8 billion years
D) 100,000 years

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14. Which type of fault is formed by compressional stress?

A) Normal fault
B) Reverse fault
C) Strike-slip fault
D) Oblique fault

15. What is the term for a large system of stars, gas, and dust held together by gravity?

A) Solar system
B) Nebula
C) Galaxy
D) Constellation

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