

Earth Science Basics for Teens

Earth Science · Answer Key · 12 Questions

1. What is the outermost solid shell of a rocky planet, such as Earth?

- A) Mantle
- B) Core
- C) Crust**
- D) Atmosphere

2. Which layer of the Earth is responsible for generating the Earth's magnetic field?

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

3. What process causes mountains to form over millions of years?

- A) Erosion
- B) Volcanic Eruption
- C) Plate Tectonics**
- D) Weathering

4. What is the primary gas that makes up Earth's atmosphere?

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

5. Which celestial body is the center of our solar system?

- A) The Moon
- B) Earth
- C) The Sun**
- D) Mars

6. What is the name of the process where water changes from a liquid to a gas?

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

7. Which of the following is a natural satellite of Earth?

- A) Jupiter
- B) The Moon**
- C) Venus
- D) Pluto

8. What causes the seasons on Earth?

- A) The Earth's distance from the Sun
- B) The Earth's rotation
- C) The Earth's tilt on its axis**
- D) The Sun's gravitational pull

9. What type of rock is formed from cooled lava or magma?

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

10. What is the large-scale movement of air that shapes weather patterns?

- A) Ocean currents
- B) Tectonic plates
- C) Wind**
- D) Geothermal energy

11. What is the general term for rocks that have been changed by heat and pressure?

- A) Igneous rocks
- B) Sedimentary rocks
- C) Metamorphic rocks**
- D) Extrusive rocks

12. What is the most abundant element in the Earth's core?

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