

Earth Science and Nature Facts

Earth Science · Answer Key · 25 Questions

1. Which layer of the Earth's atmosphere contains the ozone layer?

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

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

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

3. Which biome is characterized by low temperatures and a layer of permanently frozen subsoil?

- A) Tundra**
- B) Taiga
- C) Savanna
- D) Chaparral

4. What is the largest living structure on Earth, visible from space?

- A) The Amazon Rainforest
- B) The Great Barrier Reef**
- C) The Himalayas
- D) The Sahara Desert

5. Which mineral is the most abundant in the Earth's continental crust?

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

6. What type of rock is formed from the cooling and solidification of molten magma?

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

7. Which animal is considered the fastest land mammal?

- A) Lion
- B) Cheetah**
- C) Pronghorn
- D) Gazelle

8. What is the process by which green plants convert light energy into chemical energy?

- A) Respiration
- B) Transpiration
- C) Photosynthesis**
- D) Fermentation

9. Which ocean is the largest and deepest on Earth?

- A) Atlantic
- B) Indian
- C) Arctic
- D) Pacific**

10. What is the main cause of tides on Earth?

- A) Wind patterns
- B) Earth's rotation
- C) The Moon's gravitational pull**
- D) Solar radiation

11. Which element is essential for all known forms of life?

- A) Gold
- B) Carbon**
- C) Iron
- D) Helium

12. What part of a tree is responsible for absorbing water and minerals from the soil?

- A) Leaves
- B) Trunk
- C) Roots**
- D) Bark

13. Which cloud type is often associated with thunderstorms?

- A) Cirrus
- B) Cumulonimbus**
- C) Stratus
- D) Altocumulus

14. What is the term for the variety of all living organisms in a particular habitat or ecosystem?

- A) Biodiversity**
- B) Biosphere
- C) Biomass
- D) Biogeography

15. Which geological process involves the breaking down of rocks by weather, water, or plants?

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

16. In which region are rainforests primarily located?

- A) Polar regions
- B) Equatorial regions**
- C) Subtropical deserts
- D) High-latitude mountains

17. Which animal group is considered ectothermic, meaning they rely on external sources of heat?

- A) Mammals
- B) Birds
- C) Reptiles**
- D) Marsupials

18. What gas do animals exhale as a byproduct of cellular respiration?

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

19. What is the hardest natural substance found on Earth?

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

20. Which layer of the Earth lies directly below the crust?

- A) Inner core
- B) Outer core
- C) Lithosphere

D) Mantle

21. What is the primary source of energy for the Earth's weather systems?

- A) The Moon
- B) The Sun**
- C) Geothermal heat
- D) Ocean currents

22. Which of these is a non-renewable natural resource?

- A) Wind
- B) Solar
- C) Coal**
- D) Tidal

23. What are the large tectonic plates that make up the Earth's outer shell called?

- A) The lithosphere**
- B) The asthenosphere
- C) The hydrosphere
- D) The atmosphere

24. Which species of bear is specifically adapted to life in the Arctic?

- A) Grizzly bear
- B) Black bear
- C) Polar bear**
- D) Panda bear

25. What is the name of the scale used to measure the intensity of earthquakes?

- A) Richter scale**
- B) Beaufort scale
- C) Fujita scale
- D) Celsius scale