

Global Physical Science Facts

Physical Science · Answer Key · 25 Questions

1. Which layer of the Earth is located directly beneath the crust?

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

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

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

3. Which continent is home to the largest desert in the world?

- A) Africa
- B) Asia
- C) Australia
- D) Antarctica**

4. What force keeps objects on Earth pulled toward the center of the planet?

- A) Magnetism
- B) Gravity**
- C) Friction
- D) Inertia

5. Which ocean is the largest on Earth?

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

6. What state of matter is the Earth's inner core primarily composed of?

- A) Solid**
- B) Liquid
- C) Gas
- D) Plasma

7. At what temperature does pure water freeze at sea level?

- A) 10 degrees Celsius
- B) 5 degrees Celsius
- C) 0 degrees Celsius**
- D) 32 degrees Celsius

8. What is the name of the imaginary line that divides Earth into the Northern and Southern Hemispheres?

- A) Prime Meridian
- B) Equator**
- C) Tropic of Cancer
- D) Arctic Circle

9. Which layer of the atmosphere contains the ozone layer?

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

10. What natural phenomenon is caused by the movement of tectonic plates?

- A) Rainfall
- B) Earthquakes**
- C) Tides
- D) Wind

11. Which chemical element makes up the majority of the Earth's core by weight?

- A) Gold
- B) Iron**
- C) Aluminum
- D) Silver

12. What is the main source of light and heat for the Earth?

- A) The Moon
- B) Volcanoes
- C) The Sun**
- D) Geothermal vents

13. Which of these is considered a natural renewable energy source found in Iceland?

- A) Geothermal**
- B) Coal
- C) Natural Gas
- D) Petroleum

14. Which process causes rocks to break down into smaller pieces over time?

- A) Erosion
- B) Evaporation
- C) Condensation
- D) Freezing

15. What covers approximately 71 percent of the Earth's surface?

- A) Forests
- B) Deserts
- C) Water
- D) Ice

16. What is the process called when liquid water turns into water vapor?

- A) Precipitation
- B) Evaporation
- C) Freezing
- D) Sublimation

17. Which of the following is the hardest natural substance found on Earth?

- A) Gold
- B) Diamond
- C) Quartz
- D) Talc

18. In which direction does the Earth rotate on its axis?

- A) North to South
- B) South to North
- C) West to East
- D) East to West

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

- A) Sedimentary
- B) Igneous
- C) Metamorphic
- D) Fossilized

20. Which gas do plants primarily absorb from the atmosphere for photosynthesis?

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

21. What do we call a large mass of ice that moves slowly over land?

A) Glacier

B) Iceberg

C) Shelf

D) Tundra

22. What is the measurement of the total amount of salt dissolved in seawater?

A) Density

B) Salinity

C) Viscosity

D) Acidity

23. Which of these is the most common type of cloud found at low altitudes?

A) Cirrus

B) Cumulus

C) Altocumulus

D) Cirrostratus

24. What natural resource is extracted from deep underground and refined into gasoline?

A) Coal

B) Crude oil

C) Natural gas

D) Peat

25. Which planet's physical properties are most similar to Earth?

A) Mars

B) Venus

C) Jupiter

D) Saturn