

Middle School Environmental Science Quiz

Environmental Science · Practice Test · 20 Questions

1. Which layer of the atmosphere contains the ozone layer that protects Earth from ultraviolet radiation?

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

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 process do plants use to convert sunlight into chemical energy?

- A) Respiration
- B) Transpiration
- C) Decomposition
- D) Photosynthesis

4. What type of resource is coal, meaning it cannot be replaced once it is consumed?

- A) Renewable
- B) Non-renewable
- C) Infinite
- D) Sustainable

5. Which term describes the variety of all living organisms on Earth?

- A) Ecosystem
- B) Biodiversity
- C) Habitat
- D) Population

6. What is the largest ocean on Earth?

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

7. Which of these is a major greenhouse gas released by human activities such as burning fossil fuels?

- A) Argon
- B) Carbon dioxide
- C) Helium
- D) Neon

8. What is the role of decomposers in an ecosystem?

- A) To produce energy from sunlight
- B) To hunt primary consumers
- C) To break down dead organic matter
- D) To convert nitrogen into oxygen

9. Which of the following is considered a renewable energy source?

- A) Natural gas
- B) Coal
- C) Solar power
- D) Petroleum

10. What is the process where water changes from a liquid to a gas or vapour?

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

11. Which biome is characterized by very low temperatures and a lack of trees?

- A) Tropical Rainforest
- B) Tundra
- C) Desert
- D) Grassland

12. What term refers to the total amount of greenhouse gases generated by our actions?

- A) Ecological footprint
- B) Carbon footprint
- C) Biomass
- D) Habitat loss

13. Which part of the Earth's environment consists of all living organisms?

- A) Lithosphere
- B) Atmosphere
- C) Hydrosphere
- D) Biosphere

14. What do we call the gradual increase in the average temperature of Earth's climate system?

- A) Global warming
- B) Weathering
- C) Erosion
- D) Tectonic shift

15. Which natural disaster is caused by the sudden shaking of the Earth's crust?

- A) Hurricane
- B) Tsunami
- C) Earthquake
- D) Volcano

16. What is the primary source of energy for the Earth's weather and climate?

- A) Geothermal heat
- B) The Sun
- C) Tidal energy
- D) Wind

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

- A) Inner core
- B) Outer core
- C) Mantle
- D) Atmosphere

18. What is the main cause of the rise in sea levels globally?

- A) Increased rainfall
- B) Melting glaciers and ice sheets
- C) Reduced ocean salinity
- D) Increased ship traffic

19. Which cycle describes the continuous movement of water on, above, and below the surface of the Earth?

- A) Carbon cycle
- B) Nitrogen cycle
- C) Water cycle
- D) Rock cycle

20. What is the name of the process by which fertile land becomes desert, typically as a result of drought or deforestation?

- A) Reforestation
- B) Desertification
- C) Urbanization
- D) Conservation