

High School Environmental Science Fundamentals

Environmental Science · Practice Test · 12 Questions

1. Which gas makes up the highest percentage of Earth's atmosphere?

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

2. What is the primary source of energy for almost all ecosystems on Earth?

- A) Geothermal heat
- B) Solar radiation
- C) Wind power
- D) Tidal energy

3. Which layer of the atmosphere contains the ozone layer that protects us from UV radiation?

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

4. What term describes the variety of all living organisms in a specific area?

- A) Biomass
- B) Biodiversity
- C) Population density
- D) Succession

5. Which of the following is considered a non-renewable energy source?

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

6. What process do plants use to convert sunlight into chemical energy?

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

7. Which biome is characterized by low rainfall and extreme temperature fluctuations?

- A) Desert
- B) Tropical Rainforest
- C) Tundra
- D) Temperate Forest

8. What is the main byproduct of burning fossil fuels that contributes to the greenhouse effect?

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

9. Which of the following represents an abiotic factor in an ecosystem?

- A) Fungi
- B) Bacteria
- C) Sunlight
- D) Plants

10. What is the process where water moves from the Earth's surface into the atmosphere as vapor?

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

11. Which level of the food chain consists of organisms that consume other organisms?

- A) Producers
- B) Decomposers
- C) Consumers
- D) Autotrophs

12. What is the primary cause of ocean acidification?

- A) Increased oil spills
- B) Absorption of excess carbon dioxide
- C) Overfishing
- D) Plastic pollution