

# High School Environmental Science Fundamentals

Environmental Science · Answer Key · 12 Questions

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**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