

Environmental Science Essentials

Environmental Science · Answer Key · 10 Questions

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

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

2. What is the process by which green plants convert sunlight into chemical energy?

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

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

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

4. What is the primary gas released by humans during the process of respiration?

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

5. In an ecosystem, which organisms are responsible for breaking down dead organic matter?

- A) Decomposers**
- B) Producers
- C) Primary consumers
- D) Secondary consumers

6. Which of the following describes the 'water cycle' stage where liquid water turns into water vapour?

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

7. What is the most abundant gas in Earth's atmosphere?

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

8. Which type of rock is formed from the cooling and solidification of molten magma or lava?

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

9. What term refers to the variety of all living things on Earth?

- A) Ecosystem
- B) Biodiversity**
- C) Habitat
- D) Sustainability

10. Which of these human activities contributes most directly to the increase of greenhouse gases in the atmosphere?

- A) Recycling paper
- B) Composting food scraps
- C) Burning fossil fuels**
- D) Planting native trees