

Environmental Science Basics

Environmental Science · Answer Key · 8 Questions

1. Which process involves plants using sunlight to produce their own food?

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

2. What is the primary source of energy for the Earth's ecosystems?

- A) The Moon
- B) Geothermal heat
- C) The Sun**
- D) Wind

3. Which layer of the atmosphere protects life on Earth from harmful ultraviolet radiation?

- A) Troposphere
- B) Mesosphere
- C) Ozone layer**
- D) Thermosphere

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

- A) Biodiversity**
- B) Biosphere
- C) Biomass
- D) Biotope

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

- A) Solar energy
- B) Coal**
- C) Wind
- D) Moving water

6. What gas do humans and animals exhale as a waste product of cellular respiration?

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

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

A) Producers

B) Decomposers

C) Herbivores

D) Carnivores

8. Which of the following is a major cause of global sea-level rise?

A) Increased volcanic activity

B) Melting of polar ice caps

C) Increased cloud cover

D) Movement of tectonic plates