

Environmental Science Explorer

Environmental Science · Answer Key · 8 Questions

1. Which of these gases is the primary component of Earth's atmosphere, making up about 78%?

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

2. What is the process by which plants use sunlight, water, and carbon dioxide to create their own food and release oxygen?

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

3. Which layer of the Earth's atmosphere is closest to the ground, where most weather occurs?

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

4. What term describes the variety of life in a particular habitat or ecosystem?

- A) Biodegradability
- B) Biomagnification
- C) Biodiversity**
- D) Bioremediation

5. Which renewable energy source harnesses the power of moving water to generate electricity?

- A) Solar power
- B) Wind power
- C) Geothermal energy
- D) Hydropower**

6. What is the name for the natural process where organic matter is broken down into simpler substances by microorganisms?

- A) Combustion
- B) Fermentation
- C) Decomposition**
- D) Photosynthesis

7. Which part of a plant is responsible for absorbing water and nutrients from the soil?

- A) Stem
- B) Leaf
- C) Flower
- D) Root**

8. What is the largest ocean on Earth, covering more than 30% of the planet's surface?

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