

Name \_\_\_\_\_

## Exploring Autotrophs: Nature's Self-Sustainers

### Multiple Choice Questions

1. What is the main idea of the passage?
  - a) Autotrophs are organisms that cannot produce their own food.
  - b) Autotrophs play a crucial role in sustaining life and are essential for the food chain.
  - c) Autotrophs are harmful to the environment.
  - d) Autotrophs rely on other organisms for their survival.
  
2. Which of the following is NOT an example of an autotroph?
  - a) Plant
  - b) Lion
  - c) Algae
  - d) Bacteria
  
3. What is the primary process by which autotrophs produce their own food?
  - a) Respiration
  - b) Photosynthesis
  - c) Digestion
  - d) Circulation
  
4. Why are autotrophs important for maintaining the balance of gases in the atmosphere?
  - a) They release carbon dioxide.
  - b) They release oxygen as a byproduct of photosynthesis.
  - c) They release methane.
  - d) They absorb oxygen.
  
5. How do autotrophs contribute to the food chain?
  - a) By consuming other organisms.
  - b) By relying on carnivores for food.
  - c) By converting energy from the sun into organic compounds.
  - d) By hunting herbivores.

