

Name \_\_\_\_\_

## Algae Unveiled: How They Stand Apart in Aquatic Realms

### Multiple Choice Questions

1. How do algae differ from plants in terms of structure?
  - a) Algae have roots, stems, and leaves.
  - b) Algae lack specialized structures like roots, stems, and leaves.
  - c) Algae have flowers and fruits.
  - d) Algae have bark and branches.
  
2. How do many species of algae reproduce?
  - a) Sexually
  - b) By spores
  - c) Asexually
  - d) Through seeds
  
3. What gives algae a competitive advantage in environments with limited carbon dioxide?
  - a) They rely on external sources of carbon dioxide.
  - b) They perform cellular respiration.
  - c) They absorb carbon dioxide through their leaves.
  - d) They utilize bicarbonate ions dissolved in water.
  
4. What role do algae play in nutrient cycling in aquatic ecosystems?
  - a) They regulate the balance of nutrients.
  - b) They release nutrients into the water.
  - c) They consume nutrients.
  - d) They have no role in nutrient cycling.
  
5. What allows algae to colonize diverse aquatic environments?
  - a) Their dependence on specific habitats
  - b) Their inability to tolerate fluctuations in environmental conditions
  - c) Their adaptability
  - d) Their preference for freshwater habitats

