

Name _____

Algae: The Oxygen Factory of Aquatic Worlds

Multiple Choice Questions

1. What process do algae undergo to produce oxygen?
 - a) Respiration
 - b) Photosynthesis
 - c) Decomposition
 - d) Digestion

2. What are the main components algae use during photosynthesis?
 - a) Sunlight, oxygen, and carbon dioxide
 - b) Sunlight, glucose, and water
 - c) Sunlight, carbon dioxide, and water
 - d) Sunlight, nitrogen, and phosphorus

3. Where does photosynthesis occur in algae cells?
 - a) Mitochondria
 - b) Nucleus
 - c) Cell membrane
 - d) Chloroplasts

4. What percentage of Earth's oxygen is estimated to be produced by algae and marine plants?
 - a) 30%
 - b) 50%
 - c) 70%
 - d) 90%

5. How can human activities threaten the ability of algae to produce oxygen?
 - a) By increasing nutrient pollution and causing harmful algal blooms
 - b) By reducing nutrient pollution and protecting habitats
 - c) By promoting algae growth and oxygen production
 - d) By ignoring the presence of algae in aquatic environments

