

Name _____

Algae: The Oxygen Factory of Aquatic Worlds

Short Answer Key

1. Algae undergo photosynthesis to produce oxygen.
2. Algae use sunlight, carbon dioxide, and water during photosynthesis.
3. Photosynthesis occurs in specialized structures called chloroplasts within algae cells.
4. Algae and marine plants are estimated to produce about 70% of Earth's oxygen.
5. Human activities like pollution and habitat destruction can introduce excess nutrients into aquatic ecosystems, leading to algal overgrowth and the formation of harmful algal blooms, which can deplete oxygen levels and harm aquatic life.

