

Name _____

Photosynthesis: Nature's Green Energy Factory

Multiple Choice Questions

1. What is the primary product of photosynthesis?
 - a. Oxygen
 - b. Carbon dioxide
 - c. Glucose
 - d. Water

2. Which part of plant cells is responsible for photosynthesis?
 - a. Mitochondria
 - b. Nucleus
 - c. Chloroplasts
 - d. Vacuoles

3. What is the main role of chlorophyll in photosynthesis?
 - a. Absorbing water
 - b. Capturing sunlight
 - c. Producing glucose
 - d. Releasing oxygen

4. Which stage of photosynthesis produces oxygen as a byproduct?
 - a. Light-dependent reactions
 - b. Calvin Cycle
 - c. Photosynthesis doesn't produce oxygen
 - d. Both stages produce oxygen

5. How does photosynthesis contribute to the carbon cycle?
 - a. By releasing carbon dioxide into the atmosphere
 - b. By absorbing oxygen from the atmosphere
 - c. By converting carbon dioxide into glucose
 - d. By reducing the concentration of oxygen in the atmosphere

