

### **What is Photosynthesis?**

Photosynthesis is the vital process used by green plants, algae, and some bacteria to convert light energy into chemical energy. This chemical energy is stored in the form of glucose (sugar), which serves as the organism's food.

This process requires sunlight, carbon dioxide, water, and chlorophyll. Chlorophyll captures light energy, which is used to convert carbon dioxide and water into glucose and oxygen. Oxygen is released as a byproduct.