

# Summary of Photosynthesis

Photosynthesis is the process by which green plants, algae, and some bacteria make their own food using sunlight, water, and carbon dioxide. It mainly happens in the chloroplasts of plant cells, where the green pigment chlorophyll captures sunlight. Inputs (what goes in): Carbon dioxide (from air) + Water (from soil) + Sunlight Process: Light energy is converted into chemical energy. Outputs (what comes out): Glucose (sugar for energy and growth) + Oxygen (released into the air). In short: Photosynthesis converts light energy into chemical energy, producing food for plants and oxygen for life on Earth.