

## Biology Notes - Photosynthesis

Photosynthesis is the process by which green plants and some other organisms use sunlight to synthesize foods from carbon dioxide and water.

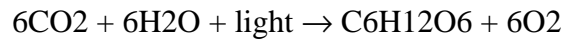
Key Concepts:

- Takes place in chloroplasts of plant cells.
- Chlorophyll absorbs light energy, usually from the sun.
- Carbon dioxide + water + light energy → glucose + oxygen.

Importance:

- Provides food (glucose) for the plant.
- Produces oxygen essential for life on Earth.

Equation:



Practice Questions:

1. What organelle is responsible for photosynthesis?
2. Write the balanced chemical equation for photosynthesis.
3. Why is photosynthesis important for animals?