

Learning Material: Understanding Photosynthesis

Objective:

Students will recognize the basic steps of photosynthesis and identify the roles of sunlight, carbon dioxide,

Photosynthesis is how green plants make their own food using sunlight. This happens in the chloroplasts

Equation:

6CO_2 (carbon dioxide) + $6\text{H}_2\text{O}$ (water) + light energy \rightarrow $\text{C}_6\text{H}_{12}\text{O}_6$ (glucose) + 6O_2 (oxygen)

Key Points:

- Photosynthesis happens in the chloroplasts of plant cells.
- It needs sunlight, water, and carbon dioxide.
- It makes glucose, which is a kind of sugar, and oxygen.

Activity:

Look at a picture of a chloroplast. Label the parts and say what each part does in photosynthesis. Use simple