

Chapter 8 - Photosynthesis: College-Level Study Guide

8.1 Overview of Photosynthesis

Equation:



Explanation:

Photosynthesis converts light energy into chemical energy stored in glucose. CO_2 is reduced to form sugar, and water is oxidized to release oxygen. The process occurs mainly in the chloroplasts of plant cells and algae.

Structure of the Chloroplast:

- **Outer and Inner Membranes:** Enclose the organelle.
- **Thylakoids:** Flattened sacs where light reactions occur; stacked into

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