

Title: Photosynthesis in Higher Plants

Class: 11

Subject: Biology

1. Introduction:

Photosynthesis is the process by which green plants prepare food using sunlight.

2. Light Reaction:

Takes place in the thylakoid membrane. Involves absorption of light and formation of ATP and NADPH.

3. Dark Reaction (Calvin Cycle):

Occurs in the stroma. CO₂ is fixed to form glucose.

4. Factors Affecting Photosynthesis:

- Light intensity
- Carbon dioxide concentration
- Temperature

5. Practice Questions:

Q1. What are the end products of light reaction?

Q2. Write the equation of photosynthesis.