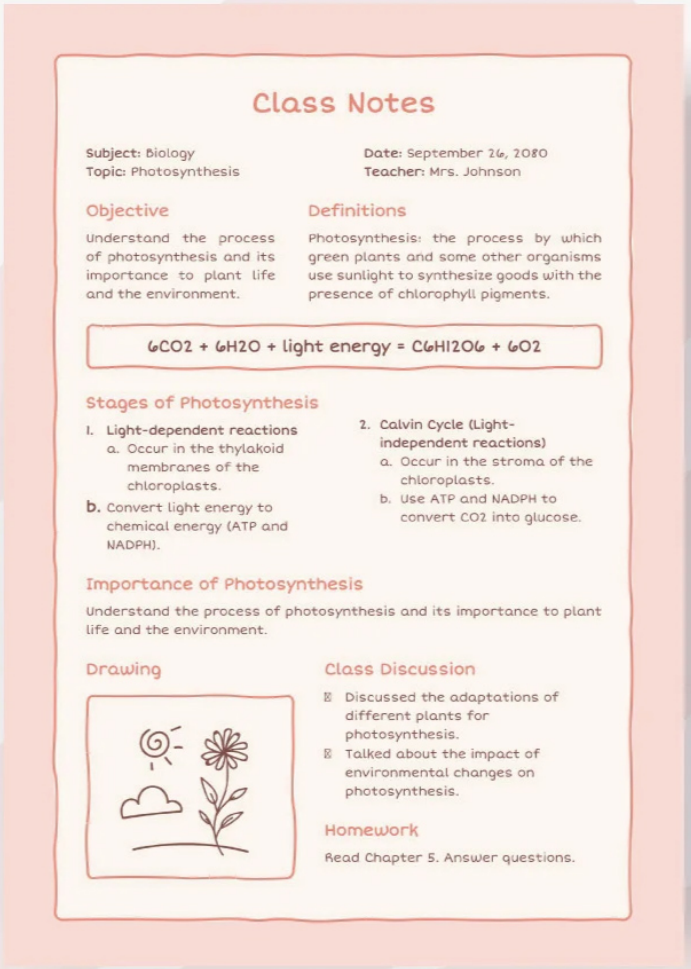


Class Notes

Subject: Biology
Topic: Photosynthesis

Date: September 26, 2080
Teacher: Mrs. Johnson

Objective

Understand the process of photosynthesis and its importance to plant life and the environment.

Definitions

Photosynthesis: the process by which green plants and some other organisms use sunlight to synthesize goods with the presence of chlorophyll pigments.

$$6CO_2 + 6H_2O + \text{light energy} = C_6H_{12}O_6 + 6O_2$$

Stages of Photosynthesis

1. Light-dependent reactions
   a. Occur in the thylakoid membranes of the chloroplasts.
   b. Convert light energy to chemical energy (ATP and NADPH).
2. Calvin Cycle (Light-independent reactions)
   a. Occur in the stroma of the chloroplasts.
   b. Use ATP and NADPH to convert CO_2 into glucose.

Importance of Photosynthesis

Understand the process of photosynthesis and its importance to plant life and the environment.

Drawing

Class Discussion

- Discussed the adaptations of different plants for photosynthesis.
- Talked about the impact of environmental changes on photosynthesis.

Homework

Read Chapter 5. Answer questions.

AESTHETIC NOTES TEMPLATE

Structured for clarity and designed with pleasing visuals, it makes jotting down thoughts, ideas, or class materials an enjoyable experience.