

SYNOPSIS

1. Green plants prepare their own food by the help of the process called photosynthesis.
2. Photosynthesis is a process by which green plants make their own food with the help of CO₂, water and chlorophyll in the presence of sunlight.
3. The green pigment present in the cells of a leaf is known as chlorophyll.
4. The light energy from sunlight gets converted to chemical energy during photosynthesis.
5. Glucose and oxygen are the byproducts of photosynthesis.
6. 'Stoma' means 'mouth' in the Greek language.
7. Carbon dioxide, water and solar energy are the raw materials essential for photosynthesis.
8. Light intensity (sunlight), concentration of CO₂ in the atmosphere, temperature, and availability of water are the four factors which affect photosynthesis.
9. The amount of CO₂ released during the process of respiration is equal to the amount used during photosynthesis. This state is called compensation point.
10. Up to 30°C, the rate of photosynthesis doubles with each increase of 10°C.
11. The outer layer of the leaf is made up of a single layer of cells called epidermis.

WELLAND GOULDSMITH SCHOOL, Patuli

Biology Worksheet

Subject: BIOLOGY

Class VII

Total Questions 4

Time: 20 Minutes

WORKSHEET 1

Question 1

Fill in the blank:

- (i) 'Stoma' means ' _____ ' in the Greek language.
- (ii) The rate of photosynthesis doubles with each increase of _____..

Question 2

Name the following:

- (i) It is found in the outer layer of the leaf and is made up of a single layer of cells.

- (ii) The form of energy in to which light energy gets converted during photosynthesis.

Question 3

State true or falls :

- (i) The chlorophyll absorbs green light and reflects blue light.

- (ii) Oxygen gas is produce during photosynthesis.

Question 4

Define:

- (i) Chlorophyll - _____ .

- (ii) Compensation point - _____ .

Exercise:

From the book, (pgs – 53, 54, 55)

Solve no. - A, D, E, F, G, H

