



KALPAVRUKSHA MODEL SCHOOL

Online class Assignments Answers

Class: VII

Sub: Biology

Date: 22.05.2021

Topic: Nutrition in plants

I. Answer the following questions:

1. What are the main characteristics of living organisms?

Ans: The main characteristics of living organisms are movement, growth, nutrition, reproduction, respond to stimuli, excrete and death.

2. Define nutrition. Name the two main modes of nutrition.

Ans: The process of intake of food and utilization of it by the body is called nutrition.

The two main modes of nutrition are autotrophic and heterotrophic nutrition.

3. Define food. Why do organisms need to take food?

Ans: The substance which break down into simpler form by a chemical reaction and produces energy is called as food.

Organisms need to take food to get energy to perform life activities, for growth and repair of the cells.

4. Define autotrophic nutrition.

Ans: The mode of nutrition where organism prepares it's own food is called autotrophic nutrition.

5. What is photosynthesis?

Ans: The process by which green plants prepare their own food by using carbon dioxide and water in the presence of chlorophyll and sunlight is called photosynthesis.

6. Can plants use an artificial source of light for preparing food?

Ans: Yes, photosynthesis can occur in artificial light, provided the plant receives the correct wavelength of the light spectrum.