



# INDIAN SCHOOL DARSAIT

## DEPARTMENT OF SCIENCE



<b>Subject :</b> Science	<b>Topic :</b> Nutrition in plants	<b>Date of Worksheet :</b> 08 -04-2019
<b>Resource Person:</b> Mrs.Induresmi	<b>Class &amp; Division</b>	<b>Date:</b>
<b>Name of the Student:</b>		<b>Roll Number:</b>

**A Give one word for the following (Each question carries 1 mark)**

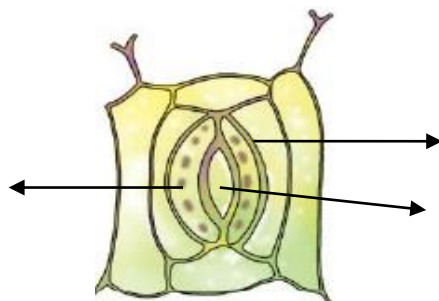
- 1 The mode of taking in food and utilizing it by an organism .
- 2 Organisms that prepare their own food.
- 3 Organisms that cannot synthesise their own food and take in food prepared by plants.
- 4 The bacterium that helps in Nitrogen fixation in the soil.
- 5 A plant that has both autotrophic and heterotrophic modes of nutrition.
- 6 The organisms which make slimy green patches in ponds or other stagnant water bodies.
- 7 The mode of nutrition in which both the organisms benefit each other.
- 8 A parasitic plant which is devoid of leaves, having yellow, slender tubular stem.
- 9 The cell organelles which contain chlorophyll.

**B Fill in the blanks (Each question carries 1 mark)**

- 1 Carbohydrates are made up of ----- , ----- , -----
- 2 ----- are nitrogenous substances which contain Nitrogen
- 3 Plants can synthesise components of food other than carbohydrates such as ----- and -----
- 4 Algae have ----- mode of nutrition.
- 5 The food synthesized by the plants is stored as -----

**C Answer the following**

- 1 Name the four main types of heterotrophic plants.
- 2 Label the parts of stomata

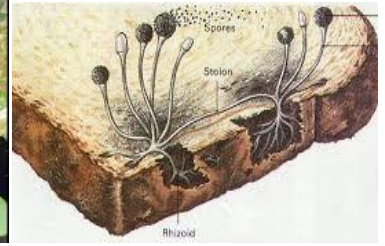


3 Classify the following living organisms into parasites, saprophytes and autotrophs:

Yeast, mistle toe ,mushroom, algae, money plant, Dodder

4 Identify the following organisms and name the mode of nutrition in each of them.

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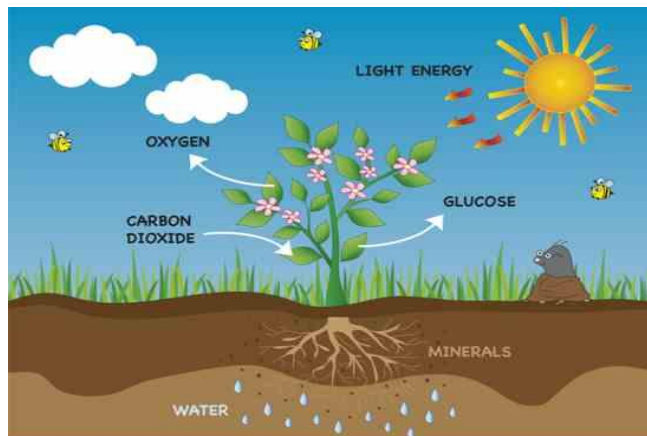
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5 Give reason:

- a) Insectivorous plants are partial heterotrophs.
- b) Sam wiped the leaves of a plant with an oily cloth to remove all the dust and to give it a shiny look. After a few days the plant died.
- c) Desert plants have green stem with scale or spine like leaves ?

6

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- a) Name the process shown in the diagram.
- b) In which part of a plant is food made?
- c) What are the raw materials required for photosynthesis?
- d) From where does carbon dioxide enter a plant?
- e) Name the green pigment present in the leaves which help in capturing sunlight.
- f) What is produced during photosynthesis?
- g) Which gas is released in the process?
- h) Represent photosynthesis in the form of a word equation.

7 Explain the symbiotic relation ship between Rhizobium and the leguminous plant.

1