



INDIAN SCHOOL NIZWA - WORKSHEET

General Science

CH-10, life processes in plants

Name: _____

Date: _____

Class: VII Sec: ____

I. Fill in the blanks.

1. Animals are called _____ since they depend on plants for food.
2. _____ bacteria help to convert atmospheric nitrogen into nitrates which plants can absorb.
3. In pitcher plant _____ is modified into pitcher-like structure.
4. Opening and closing of stomata is controlled by _____.
5. The gas released during photosynthesis is _____.

II Observe the diagrams of organisms given below. Name them and write their category.





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processes?

- a) Nitrogen. b) Nutrition. c) Nutrients. d) Oxygen.

5. Cuscuta is a yellow tubular structure that climbs on other plants as it lacks chlorophyll. A student sets up an experiment using two potted plants, plant A with Cuscuta and another plant B without Cuscuta. Which of the plants will show more growth?

- a) Plant A, as Cuscuta provides valuable nutrients to host plants for photosynthesis.
b) Plant A, as Cuscuta shares chlorophyll of the host plants to synthesis its own food.
c) Plant B, as Cuscuta uses readymade food of the plant A that weakens the host plant.
d) Plant A, as Cuscuta shares its readymade food with host plants to increase their combined growth.

V. **Mark 'T' if the statement is true and 'F' if it is false:**

- i) Carbon dioxide is released during photosynthesis. (_____)
ii) Plants which synthesise their food themselves are called saprotrophs. (_____)
iii) The product of photosynthesis is not a protein. (_____)
iv) Solar energy is converted into chemical energy during photosynthesis. (_____)

VI **Match the items given in Column I with those in Column II:**

Column I

Chlorophyll

Nitrogen

Amarbel

Animals

Insects

Column II

Rhizobium Bacteria

Heterotrophs

Pitcher plant

Leaf

Parasite