

# ATOMIC ENERGY EDUCATION SOCIETY

SESSION 2020-2021

SUBJECT : SCIENCE

WORKSHEET – I

CLASS- VII

## CHAPTER -1 NUTRITION IN PLANTS (WORKSHEET – 1)

### I. Choose the correct option:-

- The green pigment in the leaves are \_\_\_\_\_.  
a. Stomata  
b. Chlorophyll  
c. Symbiosis  
d. None
- This bacteria is found in the root nodules of leguminous plants.  
a. Rhizobium  
b. Yeast  
c. Algae  
d. E.coli
- Which among these is a parasitic plant?  
a. Guava tree  
b. Pitcher plant  
c. Mango tree  
d. Cuscuta
- This plant traps and feeds on insects.  
a. Pitcher plant  
b. Rose plant  
c. Mimosa plant  
d. None
- This gas is released during the process of photosynthesis.  
a. Nitrogen  
b. Carbon dioxide  
b. Oxygen  
d. Methane

### II. Fill in the blanks:-

- \_\_\_\_\_ are the food factories of the plant.
- \_\_\_\_\_ are the tiny pores present in the leaves.
- \_\_\_\_\_ help the leaves to trap the energy from the sun.
- During photosynthesis plants take in \_\_\_\_\_ and give out \_\_\_\_\_.
- Lichens are the symbiotic relationship between \_\_\_\_\_ and \_\_\_\_\_.

### III. Answer the following questions:-

- Name the components of food.
- Define nutrition
- Give two examples each of autotrophic and heterotrophic nutrition.
- Write the equation for photosynthesis.
- Name some insectivorous plants.

6. Why is algae green in colour?
7. Why do organisms need food?
8. Describe the process of photosynthesis in plants.
9. Differentiate between autotrophic mode and heterotrophic mode of nutrition.
10. What do you mean by parasitic mode of nutrition?
11. What do you mean by symbiotic mode of nutrition? Describe any two examples of symbiotic mode of nutrition.
12. What are the ways in which nutrients are replenished in the soil?
13. What do you mean by saprotrophic mode of nutrition?
14. Explain how the pitcher plant traps the insects.
15. How will you test the presence of starch in the leaves?

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