

WORKSHEET

CLASS-VII

SUBJECT- Science

CHAPTER-1. Nutrition in Living organisms-Plants

A. Fill in the blanks.

1. _____ help living organisms to build their bodies and provide energy.
2. _____ is an organism which has both plant and animal-like features.
3. Cuscuta is a _____ plant as it derives its nutrition from other plants.
4. _____ is a living partnership between a _____ and an algae.
5. A bacterium living in the roots of leguminous plants is _____.

B. Write True or False.

1. Brown pigment present in leaves of plants is chlorophyll. _____.
2. Stomata are pores present on the leaf for gas exchange. _____.
3. Food factory of the plant is its leaves. _____.
4. Mushroom shows a parasitic mode of nutrition. _____.
5. Leaves of the pitcher plant modify to trap insects. _____.

C. Match the following.

- | | |
|---------------------|--------------------|
| 1. Dodder. | Pitcher plant |
| 2. Insectivorous | Vessels |
| 3. Chlorophyll | Holozoic nutrition |
| 4. Tubes for water. | Cuscuta |
| 5. Amoeba | Green pigment |

D. Answer the following in brief.

1. What is meant by symbiotic relationship?
2. How do vessels help the roots of plants?
3. Write the equation for the process of photosynthesis.
4. Why some plants have red leaves or leaves with yellow patches?
5. Explain holozoic nutrition with examples.

E. Answer the following.

1. Why cuscuta is called a parasite?
2. How does Venus fly trap plant catch an insect ?
3. Differentiate between saprophytic and parasitic type of nutrition.
4. Leaves are food factory of the plant.Explain.
5. Euglena is both an autotroph and a heterotroph in nutrition.How?

G. Pick the correct answer.

- a. Mucor, yeast have _____ nutrition
 1. Parasitic

2. Saprophytic
3. Autotrophic
4. None

b. Digestion outside the body of an organism is called

1. Intracellular
2. Intercellular
3. Extracellular
4. Parasitic

c. Pitcher plant is

1. Insectivorous
2. Parasite
3. Saprophytic
4. None

d. Amarbel is an example of a _____ plant.

1. Parasite
2. Saprophytic
3. Insectivorous
4. All of these

e. Photosynthesis requires

1. Sunlight
2. Water
3. Chlorophyll
4. All of above

f. Variegated leaves are found in

1. Coleus
2. Cabbage
3. Crotons
4. All of these

g. This gas is used by plants during photosynthesis.

1. Oxygen
2. Carbon dioxide
3. Hydrogen
4. None

h. Euglena has _____ nutrition.

1. Autotrophic
2. Heterotrophic
3. Both autotrophic & heterotrophic
4. None

i. These are products of photosynthesis.

1. Oxygen
2. Water
3. Carbohydrates
4. 1 & 3

j. Water is absorbed by _____ of plants.

1. Roots
2. Stem

3. Leaves
4. All of these

H. Create a compost pit in your garden or in a big flower pot. Add kitchen waste like vegetable and fruit peels, used tea leaves. Cover with soil and alternate with a layer of waste, then soil. Leave it for a month. Your homemade compost is ready. Use it at home for your plants.