

St. Andrews Scots Sr. Sec. School

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Session: 2024 – 2025

(Worksheet-1)

Class-VII

Subject - Science

Chapter: Nutrition In Plants

Q.1. Define:

- a) Xylem vessels.
- b) Phloem vessels.
- c) Host
- d) Parasite
- e) Haustoria

Q.2. Fill in the blanks:

- a) _____ is modified into a pitcher in insectivorous plant.
- b) Farmers enrich the soil by adding _____ and _____.
- c) During photosynthesis _____ energy is captured by the leaves and stored as food.
- d) _____ is surrounded by guard cells.
- e) Plants are unable to use atmospheric _____.

Q.3. Multiple Choice Questions:

- a) Glucose is transported to various parts of the plant by _____.
(i) Xylem (ii) Phloem (iii) Stomata
- b) Human beings can be categorized as _____.
(i) Parasites (ii) Saprotrophs (iii) Heterotrophs
- c) Photosynthesis will not occur in leaves in the absence of _____.
(i) Guard cells (ii) Chlorophyll (iii) Vacuole
- d) Which part of the plant is called food factory?
(i) Fruits (ii) Seeds (iii) Leaves
- e) _____ is the ultimate source of energy on our earth.
(i) Water (ii) Wind (iii) Sun

Q.4. Answer in one word:

- a) Name an edible fungus.
- b) Name a component of food other than carbohydrates synthesized by plants.

- c) Name the mode of nutrition in mistletoe.
- d) Which parts of the plants are called food factories of the plant?
- e) Name an organism that gets its food from dead and decaying matter.

Q.5. Answer the following questions:

- a) Why do the leaves of a plant kept in dark become yellow?
- b) Algae are green in colour. Why?
- c) What happens if all the plants perish from the earth?
- d) Why are animals not able to make food like plants do?
- e) How does a soil becomes rich in nitrates when leguminous plants are grown on it?