

NUTRITION IN PLANTS

1. What is nutrition? List main nutrients found in food.
2. Write down the chemical equation for manufacture of food in green plants.
3. List main factors essential for photosynthesis to take place.
4. Why nitrogenous fertilizer not added in soil in which leguminous plants are grown?
5. List main modes of nutrition, giving examples of each.
6. Differentiate between parasites and saprophytes. Give two examples of each.
7. Why do plants need nitrogen? How do they fulfil their needs?
8. How will you test a leaf for starch? Mention any precautions you will take.
9. What is symbiotic relationship? Explain with the help of example.
10. How do farmers replenish nutrients in the soil?
11. What is stomata? List main function of stomata.
12. All animals whether herbivores, omnivores or carnivores depend on plants for their food. Discuss.
13. How does an insectivorous plant trap its prey?
14. a) Which cell controls the opening and closing of the stomata?
b) Name the mode of nutrition in *agaricus*.
c) What type of plant is *cuscuta*?
d) Which bacteria converts atmospheric nitrogen into its water-soluble form?
e) Name the mode of nutrition in *Rhizopus*.
f) Name the structure in cells that contains chlorophyll.
g) Name the chemical which absorbs CO₂.
h) Name a unicellular organism that contains chlorophyll.