

Others Modes of Nutrition in Plants

1. Fill in the Blanks:

- a. _____ plants obtain their nutrients by attaching to and deriving nourishment from other host plants.
- b. In _____ plants, specialized structures like _____ are used to capture and digest insects for nutrient uptake.
- c. _____ plants feed on _____ to obtain their nutrients.
- d. _____ plants are adapted to grow in habitats with _____, so they capture and digest insects to supplement their diet.
- e. _____ parasites, such as _____, can perform some photosynthesis but also obtain water and nutrients from their host plants.

2. True or False:

- a. Autotrophic plants produce their own food through photosynthesis.
- b. Parasitic plants obtain nutrients by photosynthesis like other green plants.
- c. Insectivorous plants rely on capturing and digesting insects for nutrients.
- d. Carnivorous plants primarily obtain nutrients from the soil, not insects.
- e. Saprophytic plants feed on living host plants to obtain their nutrients.

3. Match the following: -

Column A	Column B
i. Autotrophic	A. Obtain nutrients from decaying organic matter.
ii. Heterotrophic	B. Depend on other plants for nutrients.
iii. Saprophytic	C. Capture and digest insects for nutrients.
iv. Carnivorous	D. Produce their own food through photosynthesis.
v. Parasitic	E. Adapted to poor nutrient availability.
vi. Partial Parasite	F. Perform some photosynthesis but rely on hosts.
vii. Total Parasite	G. Lack chlorophyll and depend entirely on hosts.
viii. Insectivorous	H. Rely on other organisms for their nutrition.