

ASSIGNMENT CLASS 7TH SCIENCE TERM -1

CHAPTER: NUTRITION IN PLANTS

Q1 Define Nutrients?

Q2 Why do organisms need to take food?

Q3 What are the essential components of food?

Q4 What are the different modes of nutrition. Explain by making the flow chart?

Q5 Why our body cannot make food from carbon dioxide and water like plants?

Q6 What is the ultimate source of energy for all the living organisms?

Q7 Which organ is known as food factories of the plant. Why?

Q8 How water and minerals absorbed by the roots of the plants reach the leaves?

Q9 Explain the process of photosynthesis in plants along with the diagram?

Q10 Name the pigment present in the leaves that captures sunlight?

Q11 Draw a well labeled diagram of a) section of a leaf b) stomata

Q12 Can plants with leaves other than green carry out photosynthesis. Justify your answer?

Q13 Explain the mode of nutrition in algae?

Q14 How can you test the presence of starch in the leaves?

Q15 Differentiate between-

- a) Host and parasite
- b) Saprophytes and parasite
- c) Fungi and algae

Q16 Some plants show heterotrophic mode of nutrition. Justify your answer by giving an example.

Q17 Identify the mode of nutrition in-

- a)Mushroom b)Cuscuta c)Leech d)Tapeworm e)bacteria
f)Yeast f)Ticks

Q17 Explain the different types of heterotrophic nutrition?

Q18 With which group of plants, Rhizobium is associated and what is its role?

Q19 What is a symbiotic mode of nutrition. Give its example.

Q20 Lichens show symbiotic mode of nutrition. Justify your statement.

Q21 What are the favourable conditions for the growth of fungus?

Q21 During rainy season your shoes get spoiled. Why?

Q22 Fungi can be useful as well as harmful. Comment.

Q23 How do saprophytes obtain their nourishment?

Q24 What are the three ways by which nutrients are replenished in the soil?

Q25 What are stomata? What is its role?

Q26 If a farmer is growing leguminous plant in his field, he does not have to add nitrogen fertilizers to the soil. Why?

Q27 What are insectivorous plants? Give its example.

Q28 Human beings are autotrophs as they cook their food using different ingredients. Is this true? Justify your answer.

Q29 How does a pitcher plant get its nutrition?

Q30 Describe the ways by which green plants procure all the raw materials required for photosynthesis.