



INDIAN SCHOOL NIZWA
Class X – BIOLOGY CH-5 WORKSHEET -1

1. Define nutrition. What are the different modes of nutrition?
2. In single celled organisms diffusion is sufficient to meet all their requirements of food, exchange of gases or removal of wastes but it is not in case of multicellular organisms. Explain the reason for this difference.
3. A) Name the stages of photosynthesis.
B) Explain the significance of photosynthesis
C) Write the balanced chemical equation of photosynthesis.
D) Draw the cross section of the leaf and label all parts.
4. Leaves of a healthy plant were coated with Vaseline, will this plant remain healthy for a long time? Give reason for your answer.
5. A gas is released during photosynthesis.
 - i) Name the gas and also state the way by which the gas is evolved.
 - ii) What are stomata? What governs the opening and closing of stomata. State two functions of stomata.
 - iii) Draw a diagram to show open stomatal pore and label on it
 - a) Guard cell
 - b) Chloroplast
 - c) Stoma
6. Name the green dot like structure in some cells observed by a student when a leaf peel was viewed under a microscope. What is the green colour due to?
7. Explain the process of nutrition in amoeba with neat diagrams
8. If you chew chappathi for long after some time it tastes sweet. Why is this so?
9. How does paramecium obtain food?
10. Draw a diagram of human alimentary canal and label gall bladder , pancreas , liver , and small intestine , large intestine .
 - ii) Give two reasons to explain why absorption of digested food occurs mainly in the small intestine.
11. Why is small intestine in herbivores longer than in carnivores?
12. What will happen if mucus is not secreted by the gastric glands?
13. Why does absorption of digested food occur mainly in the small intestine?
14. State two functions performed by bile juice?
15. How does fat digestion occur in our body?