

D.V.S PUBLIC SCHOOL

ASSIGNMENT CH-5

Class 10 - Science

Time Allowed: 30 minutes

Maximum Marks: 38

1. Why is diffusion insufficient to meet the oxygen requirements of multicellular organisms like humans? [2]
2. What criteria do we use to decide whether something is alive? [2]
3. What are the differences between autotrophic nutrition and heterotrophic nutrition? [2]
4. Where do the plants get each of raw materials required for photosynthesis? [2]
5. What is the role of the acid in our stomach? [1]
6. What is the function of digestive enzymes? [2]
7. How is the small intestine designed to absorb digested food? [2]
8. What advantage over an aquatic organism does a terrestrial organism have with regard to obtaining oxygen for respiration? [2]
9. What are the different ways in which glucose is oxidised to provide energy in various organisms? [5]
10. How is oxygen and carbon dioxide transported in human beings? [2]
11. What are the components of the transport system in human beings? What are the functions of these components? [2]
12. Why is it necessary to separate the oxygenated and deoxygenated blood in mammals and birds? [2]
13. How is food transported in plants? [2]
14. How are water and minerals transported in plants? [2]
15. Describe the structure and functioning of nephrons. [5]
16. What are the methods used by plants to get rid of excretory products? [1]
17. Describe double circulation of blood in human beings. Why is it necessary? [2]