

1. Name the tissue associated with the conduction water in plants.
2. What is source of O₂ liberated during photosynthesis?
3. In which part of the digestive canal food is absorbed?
4. Which organelle of the cell is known as 'power house'?
5. Why oxygenated and deoxygenated blood is separated in mammals and birds?
6. Name the functional unit of human kidney.
7. 'Respiration is a vital function of the body'. Justify.
8. Differentiate between autotroph and heterotrophy.
9. State the two vital functions of the human kidney.
10. Mention the role of the valves in maintaining blood flow in the heart.
11. What is the structural difference between the auricles and ventricles?
12. How are lungs designed in human beings to maximize the area for exchange of gases?
13. How are water and minerals transport in plants?
14. How is food transported in plants?
15. (i) What are the functions of liver and pancreas in the digestive system?
(ii) Which part of the body secretes bile? Where is bile stored?
(iii) What is trypsin? What is its function?