

BIOLOGY (IX) CELLS

1. What is cell theory? Who proposed it and who expanded it? What was this expansion?
2. Why are cells called permeable membrane?
3. Differentiate between osmosis and endocytosis?
4. What is phasmolysis? Why does a plant cell not burst in excess water?
5. What is chromatin? What is nucleoid?
6. What is membrane biogenesis? Explain functions of ER.
7. Why are lysosomes known a suicide bags?
8. Name the organelles which have their own DNA and ribosomes.
9. What is cell sap? List its main functions.
10. Differentiate between animal and plant cell.
11. Draw a neat and labelled diagram of merismatic tissue.
12. What is differentiation? Give an example.
13. Compare and contrast: Parenchyma, Collenchyma & Sclerenchyma.
14. What is suberin and lignin?
15. Differentiate between complex permanent tissues xylem and phloem.
16. Name different epithelial tissues and list their location in the body.
17. Name some connective tissues and their matrix.
18. Differentiate between areolar and adipose tissues.
19. What are the specific functions of cardiac muscles?
20. How does the cork act as a protective tissue?