

Cell Physiology

1. What is a cell?
2. State 4 primary tissues.
3. What is an organ? State 2 types of organs.
4. State any 5 systems of the human body.
5. On stating the other name of the cell membrane, state the two fluids it separates.
6. State the percentage composition of proteins, carbohydrates and lipids of the cell membrane.
7. Describe the 3 models of the cell membrane.
8. Describe the 2 lipids found in the cell membrane and the 2 proteins found in the cell membrane.
9. Describe the function of the lipid layer and the protein layer of the cell membrane.
10. State two functions of the carbohydrate layer of the cell membrane.
11. State 5 functions of the cell membrane.
12. Describe the two zones of the cytoplasm.
13. State 8 membrane-bound organelles and 2 non-membrane bound organelles.
14. State the functions of smooth and rough endoplasmic reticulum.
15. Which cells lack golgi apparatus? State the ends of the golgi apparatus. What end of the golgi apparatus does the processed products use to exit the organelle?
16. State 3 functions of the golgi apparatus.
17. Describe the two types of lysosomes.
18. State 4 important lysosomal enzymes.
19. State 4 functions of the lysosomes.
20. Where are peroxisomes pinched off from?
21. State 3 functions of the peroxisomes.