

[class - 9th]Assignment - 1 [The fundamental unit of life]

- 1- Can you name the two organelles we have studied that contain their own genetic material? Name them.
- 2- Where are proteins synthesised inside the cell?
- 3- Name: (i) the largest cell
(ii) the smallest cell
(iii) the smallest cell
- 4- Approx. how many cells are there in human body?
- 5- Name the largest cell organelle in the cell.
- 6- Who discovered cells, and how?
- 7- Why is the cell called the structural and functional unit of life?
- 8- Why is the plasma membrane called a selectively permeable membrane?
- 9- If the organisation of a cell is destroyed due to some physical or chemical influence, what will happen?
- 10- Why are lysosomes known as suicide bags?



- 11- What would happen if the plasma membrane ruptures or breakdown?
- 12- What would happen to the life of a cell if there was no Golgi apparatus?
- 13- Which organelle is known as power-house of the cell? why?
- 14- Where do the lipids and proteins constituting the cell membrane get synthesised?
- 15- How do substance like CO_2 and water move in and out of the cell? Discuss.
- 16- Differentiate between prokaryotic and eukaryotic cell?
- 17- Make a comparison and write down ways in which plant cells are different from animal cells.
- 18- How does amoeba obtain its food?
- 19- What is osmosis?
- 20- What is the function of SER and RER?
- 21- Explain the structure of nucleus and how chromosome is responsible for inheritance?
- 22- Name the intracellular source of digestive enzyme?