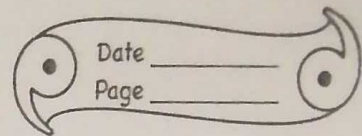


13/7/21
HW.

ch-3

CELL



1. Name the scientist who invented the first microscopes. Antonie van Leeuwenhoek
2. Who coined the term "cell"? Robert Hooke
- 3Q. Briefly describe the three essential parts of a cell.

Ans. The essential basic parts of a cell are:

1) Cell membrane - It is a very thin, delicate and flexible membrane which surrounds each cell. It is also called plasma ~~mem~~ membrane. It consists of fine pores which allow only certain molecules to pass through it, also called selectively permeable membrane.

2) Cytoplasm - This is the living portion of the cell which is a semi-liquid, translucent and colourless liquid. It is the portion of the cell where major functions of the cell are carried out through various finer parts of the cell. The finer structures which are contained in this are called the cell organelles.

3) Nucleus - The small spherical dark coloured body usually located in the centre of the cell. It is the most important part of the cell which regulates and co-ordinates various life processes. Its major role is during cell division. It contains hereditary factors called the genes.

Long Answer Questions:

2Q) Name the scientist who coined the term "cell". How many ~~two~~ lenses did he use in his microscope. What did he observe under his microscope?

Ans) The name of the scientist who coined the term cell ~~is~~ was Robert Hooke ~~develop~~ develop a microscope to observe different objects which has two lenses. He examined a very thin slice of a dead cork and observed a ~~cluster~~ cluster of box-like cubicles piled up together.