

H.W
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CELL SAQ

Q1) Name the scientist who invented the first microscope

Ans - Antony van Leeuwenhoek.

Q2) Who coined the term "cell"?

Ans - The term "cell" was coined by Robert Hooke.

Q3) Briefly describe the ~~the~~ three essential basic parts of a cell.

Ans - The essential ~~the~~ three 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 membrane. It consists of fine pores which allow only certain molecules to pass through it and prohibit the others and therefore due to its functions also called selectively permeable membrane.

2) **Cytoplasm**:- This is the living portion of the cell which is 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 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.