

Short answer and questions

3 Briefly describe the three essential parts of a cell.

Ans - The important parts of a cell are:-  
Cell membrane - Each cell is surrounded by a cell membrane. It is very thin, delicate and flexible. It is a living structure of the cell present in both plant and animal cell and It has fine pores through which only certain substances can pass in and out, while others cannot.

Cytoplasm - It is a semi-liquid, colourless and translucent substance found between nucleus and cell membrane.

Nucleus - Nucleus is a small spherical mass mostly located towards the centre of the cytoplasm. It regulates and coordinates various life process of the cell. It plays an important part during cell division.

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1. Name the scientist who invented the first microscope.

Ans: Antony Van Leeuwenhoek invented the first microscope.

2. Who coined the term "cell"?

Ans: Robert Hooke coined the term "cell" in 1665.

Long question and answer.

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

Ans: The first scientist to coin the term "cell" was Robert Hooke in 1665. He used two lenses in his microscope. He ~~observed~~ observed a very thin slice of a dead cork (bark of a tree) and found a cluster of box-like cubicles piled up together. This reminded him of "cells" of monks living in a monastery.