

H.W.  
14/10/21

# CELL - The structure and functions 57

Q1. Antonie Van Leeuwenhoek - the scientist who invented the first microscope

Q2. Robert Hooke - coined the word "cell"

Q3. The three essential parts of cell are

- Cell membrane - Each cell surrounded by a cell membrane, also called plasma membrane

- Cytoplasm - The cytoplasm is a semi-liquid (viscous), colourless and translucent substance. It is found between the nucleus and the cell membrane.

- Nucleus - Nucleus is a small spherical mass mostly located towards the centre of the cytoplasm. It is the most important part of the cell.

- It regulates and coordinates various like processes of the cell.

- It plays an important part during cell division.

2. Robert Hooke coined the term "cell". He used two lenses in his microscope. He observed a cluster of box-like cubicles ~~was~~ piled up together. This reminded him of "cells" of monks living in a monastery. So, he was the first to call them cells.