

CW  
13/7/21

## Review Questions

### MCQ

i) Identify the part which contains pigment:  
ans) plastid

ii) The organelle that controls all activities in a cell:  
ans) nucleus

iii) A cell that is spherical in shape is:  
ans) red blood cell

iv) The vacuole contains:  
ans) cell sap

### Short Answer Questions

1) ans) Antony Van Leeuwenhoek was the scientist who invented the first microscope.

2) ans) Robert Hooke 'coined the term "cell" in 1665.

3) ans) The three essential parts of a cell are:-

i) Cell membrane

ii) Cytoplasm

iii) Nucleus

**Cell membrane:** - A cell membrane supports and protects the cell. It controls the measurement of substances in and out of the cells. It separates the cell from the external environment and is present in all the cells.

**Cytoplasm:** - The cytoplasm is a thick, clear, jelly-like substance present inside the cell membrane. Most of the chemical reactions within a cell take place in the cytoplasm.

**Nucleus:** - Nucleus is a small spherical mass mostly located towards the centre of the cytoplasm. It regulates and coordinates various life processes of the cell.

### Long questions

Ques) Robert Hooke is the scientist who coined the term "cell". He used two lenses in his microscope. He examined a very thin slice of a dead cork (the bark of the trees) and observed a cluster of box-like, cubicles piled up together. This reminded him of "cells" of monks living in a monastery. So, he was the first to call them cells. He had only seen the walls of dead cells.