

MCCQ

i) Identify the part which contains pigment:

A) b) plastid

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

A) a) nucleus

iii) A cell that is spherical in shape is:

A) c) red blood cell

iv) The vacuole contains:

A) a) water

Short Question Answer

1) Name the scientist who invented the first microscope.

A) Antonie Van Leeuwenhoek

2) Who coined the term "cell"?

A) Robert Hooke

3) Briefly describe the three essential parts of a cell.

A) The three essential parts of a cell are:

(i) Cell Membrane

• It is very thin, delicate and flexible.

• It is a living structure present in both plant and animal

cells.

• It has fine pores in it, through which only certain substances can pass in and out.

(ii) Cytoplasm

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

(iii) 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 life processes of the cell.
- It plays an important part during cell division

Long question answer

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

A) The name of the scientist who coined the term "cell" is Robert Hooke. He use ~~only one biconvex lens~~ two lenses in his microscope. He observe under his microscope that a very thin slice of a dead cork and observe a cluster of box like cubicles piled up together.