

Short Answer Question  
Name the scientist who invented the first microscope. Antony van Leeuwenhoek  
Who coined the term 'cell'? Robert Hooke  
Briefly describe three essential parts of a cell.

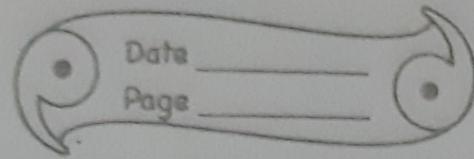
The three basic parts of a cell are:

Cell membrane

Cytoplasm

Nucleus

Cell membrane: This is the outermost part of a cell. It is also called as plasma membrane. It is very thin, delicate and flexible. It is present both in animals and plants. It has fine pores in it, through



which only certain substances can pass in and out.

2) Cytoplasm: It is a semi-liquid substance, which is colourless and translucent. It is found between the nucleus and the cell membrane.

3) Nucleus: It 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 and plays an important role in cell division.

Done in book

Long answer questions.

Briefly describe the structure nucleus and mention its any two function.

Nucleus is a small spherical mass mostly located toward the centre of the cytoplasm.

It is the most important part of a cell.

It has the following structures:

A delicate porous nuclear membrane which encloses the nucleoplasm.

Inside the nucleoplasm there is a small darker body known as nucleus. The nucleoplasm contains chromosomes and the

chromosomes contains genes which are responsible for transmitting characteristics from the parents to offsprings.

The two functions of nucleus are

It regulates and coordinates various life process of the cell.

It plays an important part during cell