

Short Answers 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.

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

2. 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.

Q. Briefly describe the structure nucleus and mention its any two functions.

Ans. 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 structure:

- A delicate porous nuclear membrane which encloses the nucleoplasm.

- Inside the nucleoplasm there is a small

- darker body known as nucleolus. 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