

H.W
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Short Answer Questions:

1. Name the scientist who invented the first microscope.

Ans - Antony Van Leeuwenhoek was the scientist who invented the first microscope.

2. Who coined the term "cell"?

Ans - The term 'cell' was coined by Robert Hooke.

Long answer questions

2. Name the scientist who coined the term "cell".

How many lenses did he use in his microscope. What did he observe under his microscope.

Ans - The scientist who coined the term "cell" is Robert Hooke. He used two lenses in his microscope. He examined a very thin slice of dead cork and observed a cluster of box-like cubicles piled up together. He was the first to call them cells.

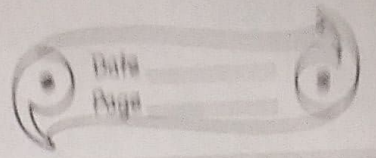
3. ~~Write the~~ Name the three essential parts of a cell. Briefly describe the structure of cell membrane.

Ans - Name of the three parts of a cell are -

i) The outermost cell membrane

ii) The cytoplasm.

iii) The nucleus.



Cell Membrane :- Each cell is surrounded by a cell membrane, also called plasma 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, while others cannot. Therefore, the cell membrane is called selectively permeable. This allows the entry of certain molecules only, while holding back the others.