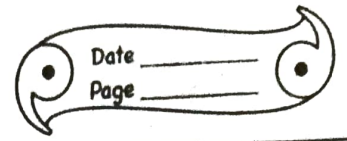


Hw  
13.7.21

## Short answer questions



1) Name the scientist who invented the first microscope.  
Antonie Van Leeuwenhoek is the first scientist who invented the first microscope.

2) Name the scientist who coined the term cell?  
Robert Hooke coined the term 'Cell'.

## Long answer questions

2) Robert Hooke coined the term cell. He used two lenses in his microscope. He observed a cluster of box-like cubicles piled up together while examining a thin slice of a dead cork.

3) The three essential parts of a cell are -

1) Cell membrane / Plasma membrane

2) Cytoplasm

3) Nucleus

Cell membrane is a thin, delicate and flexible layer ~~surrounding~~ present in surrounding a cell. It is present in both plant and animal cell. It has pores in it which only allows certain substances only thus cell membrane is called as selectively permeable.