

HW 14.07.2021 The Cell

## Review Questions (SQA)

Q3. Briefly describe the three essential parts of a cell.

ans- i) Cell membrane - Each cell is bound by a thin membrane called cell membrane or plasma membrane. It allows only few substances to pass through, thus it is known as selective permeable membrane.

ii) Cytoplasm - The jelly like substance in a cell is called as cytoplasm. It consists of about 70% of water which give it fluidity.

iii) Nucleus - The nucleus is the main organelle of a cell which regulates all the activities of the cell.

## HW

Q1. Name the scientist who invented the first microscope.

ans - Antony van Leeuwenhoek

Q2. Who coined the term 'cell'?

ans - The term cell was coined by Robert Hooke.

Q4. The cell membrane is selectively permeable. Why?

ans - The cell membrane allows some particular substances to pass through, thus it is known as selective permeable membrane.

(1-40)

Q2a 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 - Robert Hooke coined the term 'cell'. He used three lenses in his microscope. He observed some tiny box like structure in the bark of a tree, and we considered that cubical structures as cell.

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