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STUDY MATERIAL SCIENCE

CLASS-VIII

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▶ Cells : Structure & Function

The size of a cell has no relation to the size of an organism. For example, the size of the cell in a human body is not much different from the size of the cells in a mouse and similar cells perform the same function in both. The nerve cells in both humans and mice transfer messages from the brain to the muscles and vice versa. The red blood cells in both humans and mice carry oxygen to the body tissues.

Parts of a cell :

The main components of a cell are-nucleus, cytoplasm and cell membrane. The nucleus is at the centre and is surrounded by the cytoplasm and both are enclosed within the cell membrane. Some cells, mainly plant cells, are encased in a rigid cell wall, while others have a flexible cell membrane.