

VIDYA BHAWAN BALIKA VIDYAPEETH

STUDY MATERIAL SCIENCE

CLASS-VIII

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Teacher : Poonam Kumari

▶ Cells : Structure & Function

Whatever the size of an organism or the number of cells in it, every organism begins its life as a single cell-the fertilised egg. As the cells divide after fertilisation, they also change and become specialised in their functions.

For example, as a fertilised human egg grows, some cells become brain cells, some blood cells, some bone cells, some muscle cells, some liver cells and so on.

Each of them forms different tissues that specialise in performing specific tasks. The tissues then form organs that perform activities such as ingestion, digestion, respiration, excretion and reproduction.

A unicellular organism such as amoeba, also performs all the necessary functions that multicellular organisms perform although it does not have specialised organs.