

VIDYA BHAWAN BALIKA VIDYAPEETH

STUDY MATERIAL SCIENCE

CLASS-VIII

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Teacher : Poonam Kumari

▶ Cells : Structure & Function

The nucleus is enclosed in a membrane called the nuclear membrane, which separates it from the cytoplasm. Like the cell membrane, the nuclear membrane is also porous and allows the movement of materials between the cytoplasm and the inside of the nucleus.

The nucleus can be stained and seen under a microscope. With a microscope of high magnification, a smaller spherical body called the nucleolus can be seen within the nucleus. The genetic material--DNA or RNA is present in thread-like structures called chromosomes.

These carry genes and help in the inheritance & transfer of characters from the parents to the offspring. The chromosomes can be seen under a microscope only when they divide.