

Worksheet

① Why does the plant cell placed in a hypertonic solution, not burst?

Ans) A plant cell do not burst when placed in a hypotonic solution because it is surrounded by a rigid cell wall. The cell wall can withst and the turgore pressure of turgid cell contents by exerting counter wall pressure.

② What happens when a fully turgid plant cell is placed in a hypertonic solution? Name the phenomenon.

Ans) When a fully turgid plant cell is placed in a hypertonic solution, the cytoplasm along with plasma membrane shrinks & separates from the cell ~~wall~~ wall as water flows out from the vacuole of the cell. This phenomenon is called plasmolysis.