

1 Q- Why does the plant cell, placed in hypotonic solution, not burst?

A plant cell does not burst when placed in a hypotonic solution because it is surrounded by a rigid cell wall. The cell wall can withstand the turgor pressure of the turgid cell content by exerting counter wall pressure.

2 Q- What happens when a waxy turgid plant is placed in a hypertonic solution? name the phenomenon.

When a waxy turgid plant cell is placed in a hypertonic solution, the cytoplasm along with plasma membrane shrinks ~~and~~ ^{and} separates from the cell wall as water flows out from the vacuole of the cell. This phenomenon is called plasmolysis.