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Q1) Why does the plant cell, placed in a hypertonic solution, not burst?

Ans) The plant cell placed in ^{the} hypertonic solution, not burst because water crosses the cell membrane in both directions, but more water leaves the cell than enters it. Therefore the cell will shrink rather than burst.

Q2) 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 cell starts shrinking and shrinking and in the cell, the shrinking protoplasm wall contracts from the cell wall. This phenomenon is called plasmolysis.