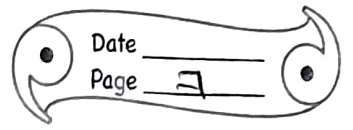


H/W
14. May 2021



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

⇒ A plant cell when placed in a hypertonic solution not burst because the cell shrinks as it loses water. Water moves from a higher concentration ~~to~~ inside the cell ~~to~~ lower concentration.

Q2. What happens when a fully turgid plant cell is placed in a hypertonic solution? Name the phenomenon.

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

- X -