

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

a) Plant cells have a cell wall around the outside that stops them from bursting so a plant cell will swell up in a hypotonic solution, but will not burst.