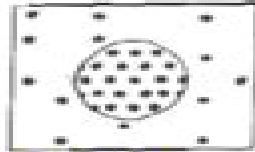


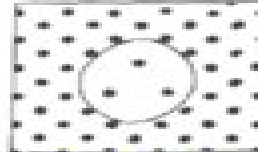
# Cellular Transport Review

## OSMOSIS

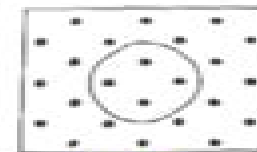
Label the pictures below ( isotonic, hypertonic, or hypotonic environments)



HYPO



HYPER



ISO

HYPER tonic means there is a GREATER concentration of solute molecules OUTSIDE the cell than inside.

HYPO tonic means there is a LOWER concentration of solute molecules OUTSIDE the cell than inside.

ISO tonic means there is the SAME concentration of solute molecules outside the cell as inside.

The pressure inside a plant cell caused by water pushing against the cell wall is called TURGOR pressure.



Cells swell and burst

The SWELLING AND BURSTING of animal cells when water enters is called CYTOLYSIS.

This happens when a cell is placed in a HYPO tonic solution.

Placing plant cells in a HYPOTONIC solution causes the osmotic pressure to increase decrease.



The SHRINKING of plant cells when water leaves so the cell membrane pulls away from the cell wall is called PLASMOLYSIS.

It happens when a plant cell is placed into HYPER tonic solution.

When water leaves a plant cell, the osmotic pressure will decrease increase.



Cells shrink and shrivel

The shrinking of ANIMAL cells that are placed in a HYPERTONIC solution is called PLASMOLYSIS.

# Topic 3 Review Cellular Transport

**Valerie C Scanlon, Tina Sanders**



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Kevin T. Patton, Gary A. Thibodeau, 2013-01-01 Rev ed of The human body in health disease Gary A Thibodeau Kevin T Patton 5th ed c2010

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 Karl J. Oparka, 2008-04-15  
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