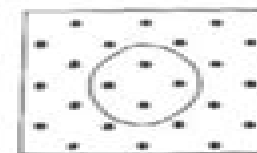
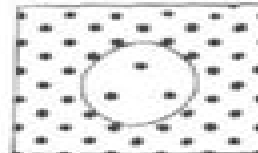
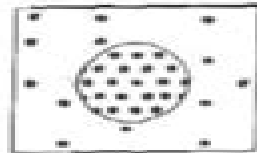


OSMOSIS STUDY GUIDE

NAME _____

Label the pictures below (isotonic, hypertonic, or hypotonic)
Black dots represent solute molecules.



_____tonic means there is a **GREATER** concentration of solute molecules **OUTSIDE** the cell than inside.

_____tonic means there is a **LOWER** concentration of solute molecules **OUTSIDE** the cell than inside.

_____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 _____ pressure.



Cells swell and burst

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

This happens when an animal cell is placed in a _____tonic solution.



Placing plant cells in a **HYPOTONIC** solution causes the osmotic pressure to _____ (Circle ONE)
increase decrease

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

It happens when a plant cell is placed into _____tonic solution.



When water leaves a plant cell, the osmotic pressure will _____ (Circle ONE)
increase decrease



Cells shrink and shrivel

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

Cells stay the same size when placed in an _____tonic solution because the amount of water leaving the cell is the same as the amount of water entering.

Osmosis Study Guide

Gerald C. Davison, John M. Neale



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