Chapter 4-1

Oct 16-2:56 PM

You should be able to answer these questions.

Distinguish between polar and non-polar molecules.

Identify different kinds of cell-membrane proteins.

Summarize the function of the Golgi.

Oct 13 - 11:02 AM

ATP- main energy current of cells

When carbs and fats are broken down they are stored temporialy as ATP.

Oct 13 - 11:00 AM

Homeostasis-

state of being content

Oct 13 - 11:05 AM

Cell must use energy to move some things across the cell membrane and other times no energy is required.

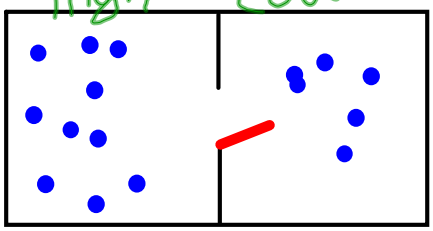
Passive - sitting on a couch watching a marathon

Active - running a marathon

Oct 13 - 11:05 AM

Passive Transport

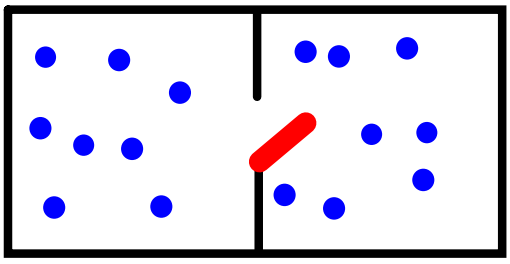
High Low

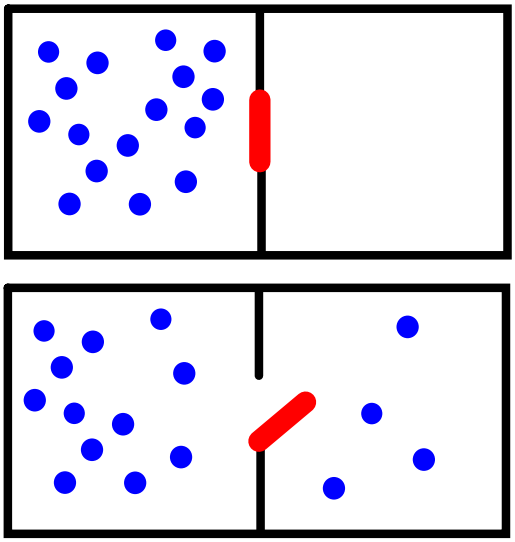


Video

Oct 13 - 11:06 AM

Concentration gradient- a difference in the concentration of a substance





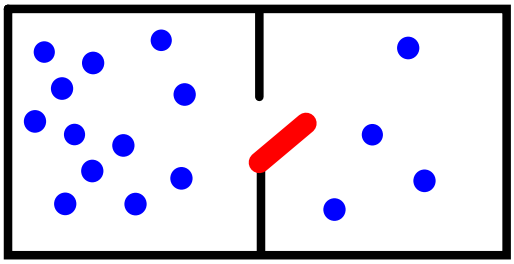
Video

Oct 13 - 11:09 AM

Equilibrium- when the concentration of a substance is equal throughout a space

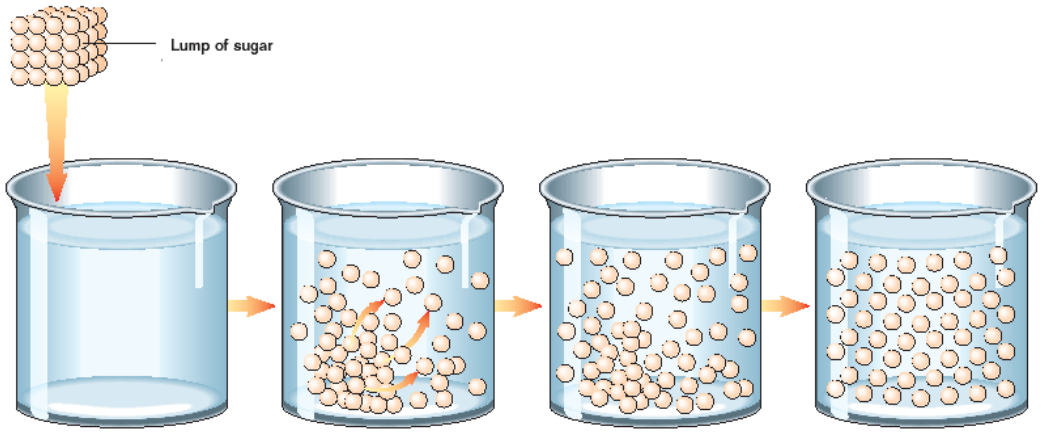
Oct 13 - 11:13 AM

Diffusion- the movement of a substance from an area of higher concentration to an area of lower concentration caused by the random motion of particles



Beaker with water

Oct 13 - 11:14 AM



BIOSOURCES
TEACHING TRANSPARENCIES

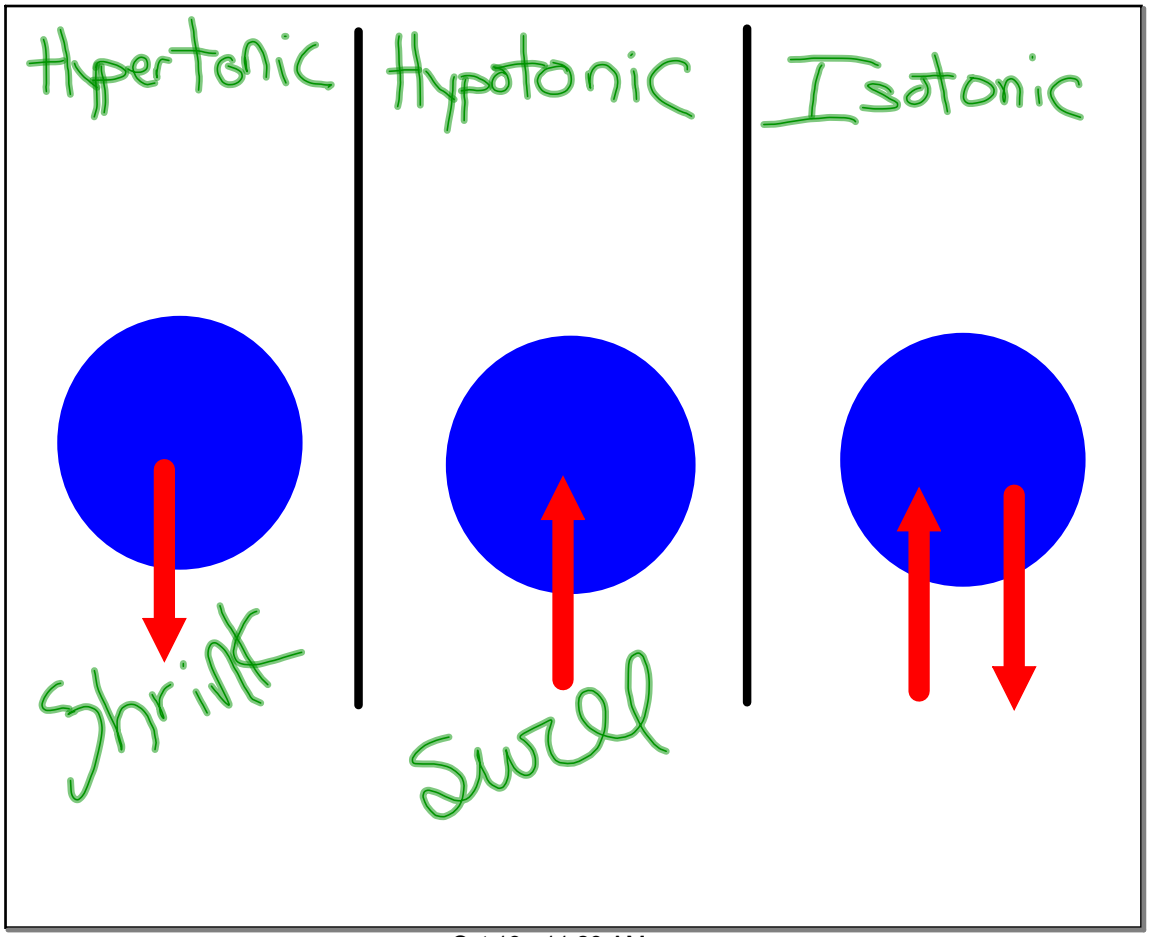
Oct 13 - 11:17 AM

Osmosis- diffusion of water molecules

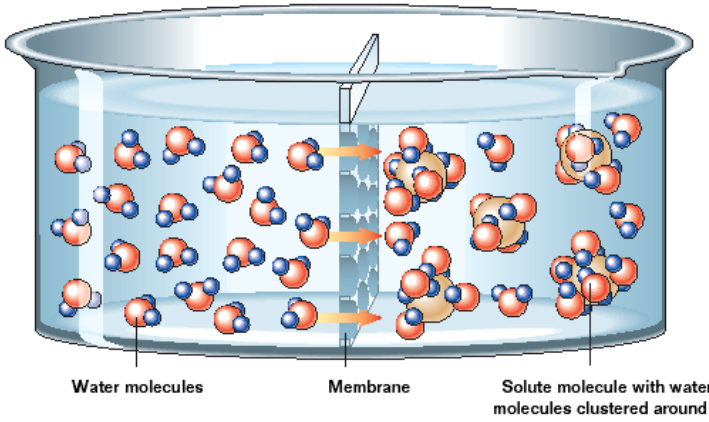
Why do you gargle with salt water for a sore throat?

Video

Oct 13 - 11:21 AM



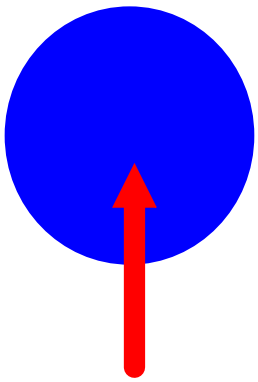
Oct 13 - 11:23 AM



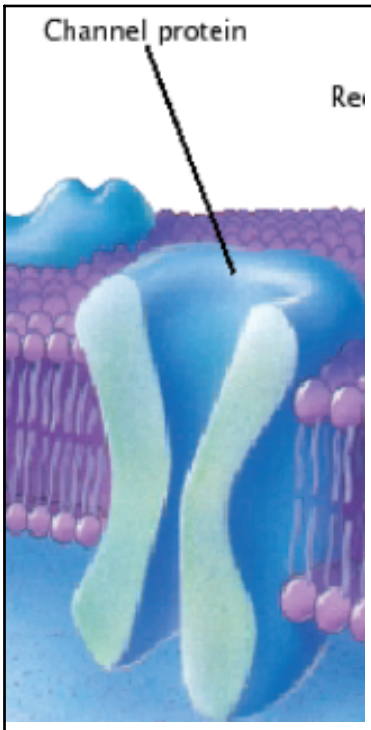
BIOSOURCES
TEACHING TRANSPARENCIES

Oct 13 - 11:20 AM

If left unchecked, this could cause a cell to burst.



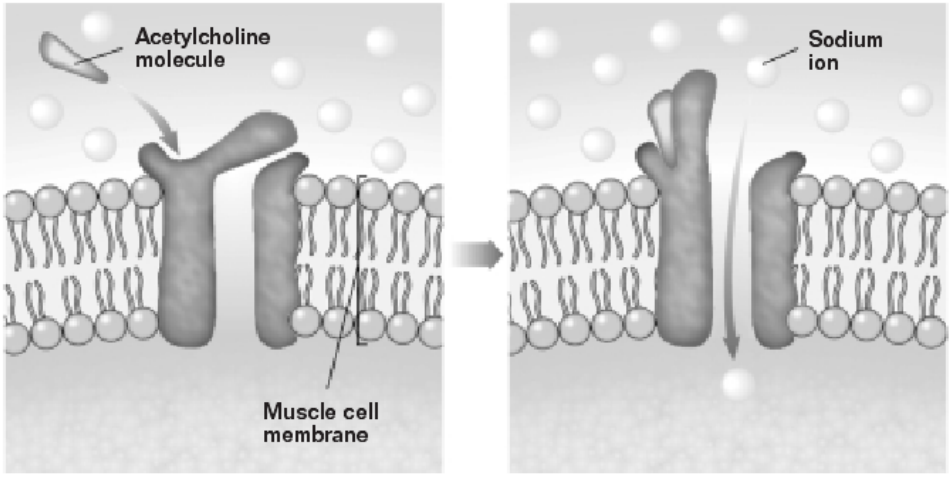
Oct 13 - 11:26 AM



BIOSOURCES
TEACHING TRANSPARENCIES

Other wise known as a transport protein helps the movement of substances into and out of the cell.

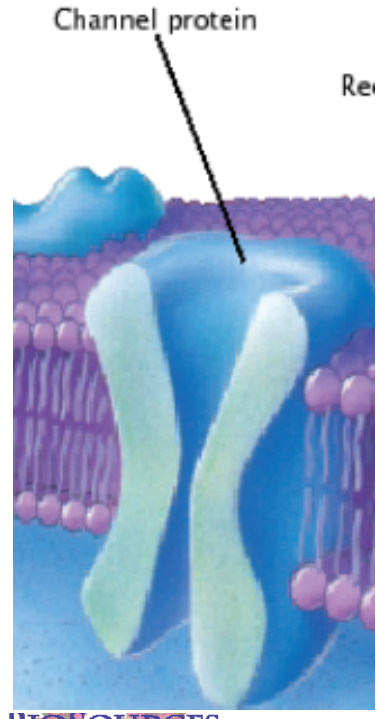
Sep 30 - 9:18 AM



Ion channel

BIOSOURCES
TRANSPARENCY MASTER

Oct 13 - 1:12 PM



Faciliated Diffusion- a type of passive transport because it moves substances down their concentration gradient without using the cell's energy

Oct 13 - 1:15 PM