

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
temporarily as ATP.

Cell: ATP
Car: Gas
Flashlight: batteries

Oct 13 - 11:00 AM

Homeostasis-

State of
being content

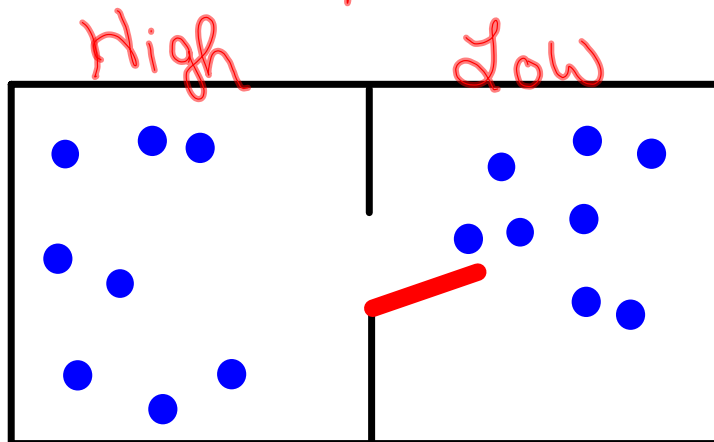
Oct 13 - 11:05 AM

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

Passive - thinking about running
Active - running

Oct 13 - 11:05 AM

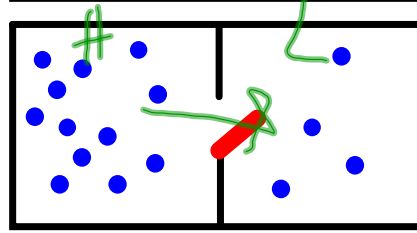
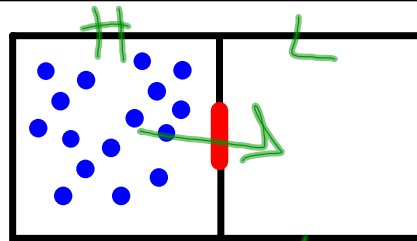
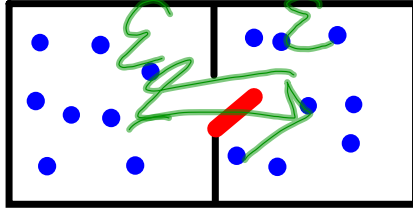
Passive Transport



Video

Oct 13 - 11:06 AM

Concentration
gradient- a
difference in the
concentration of a
Substance

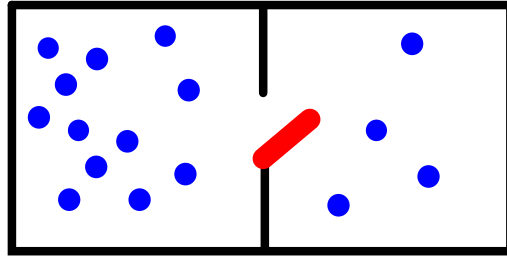


Oct 13 - 11:09 AM

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

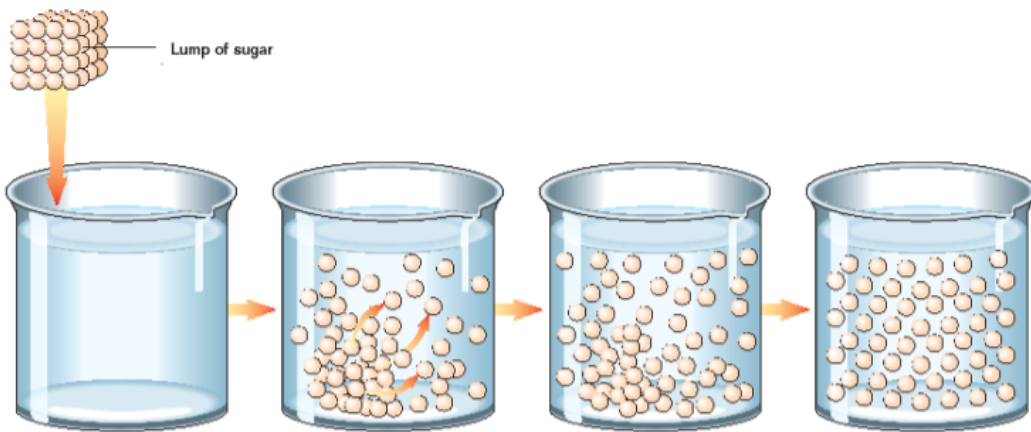
Oct 13 - 11:13 AM

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



Beaker with water

Oct 13 - 11:14 AM



BIOSOURCES
TEACHING TRANSPARENCIES

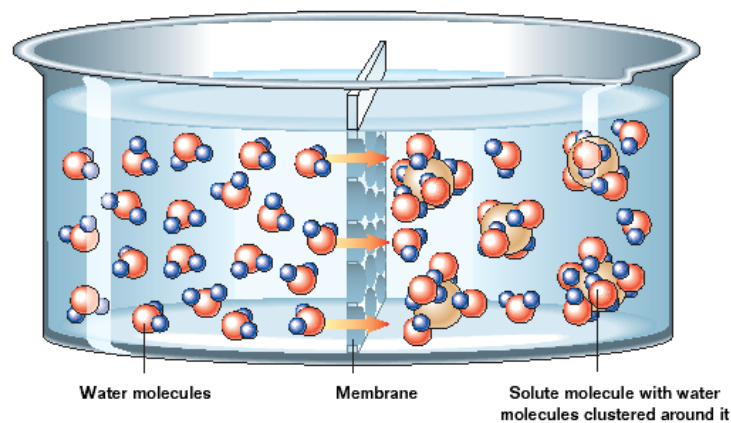
Oct 13 - 11:17 AM

Osmosis-
diffusion of
water
molecules

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

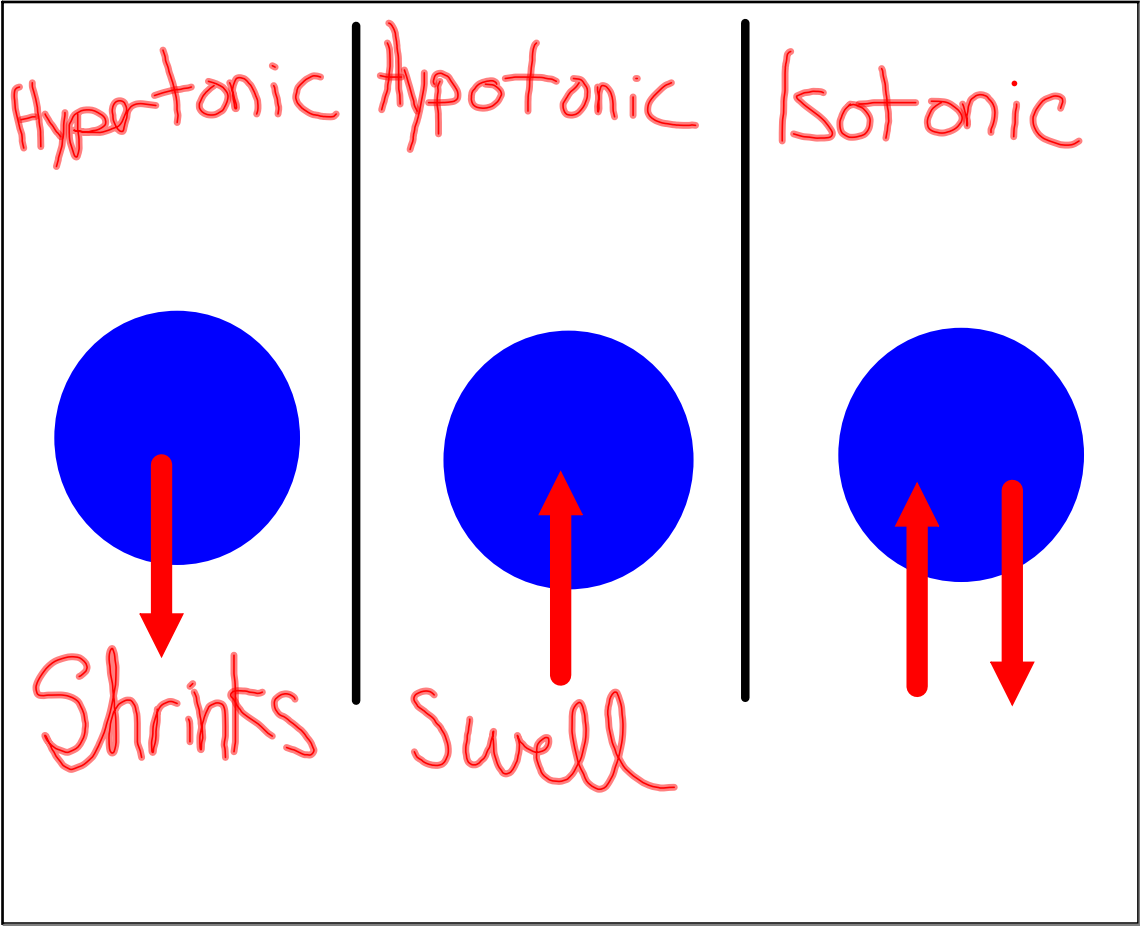


Oct 13 - 11:21 AM

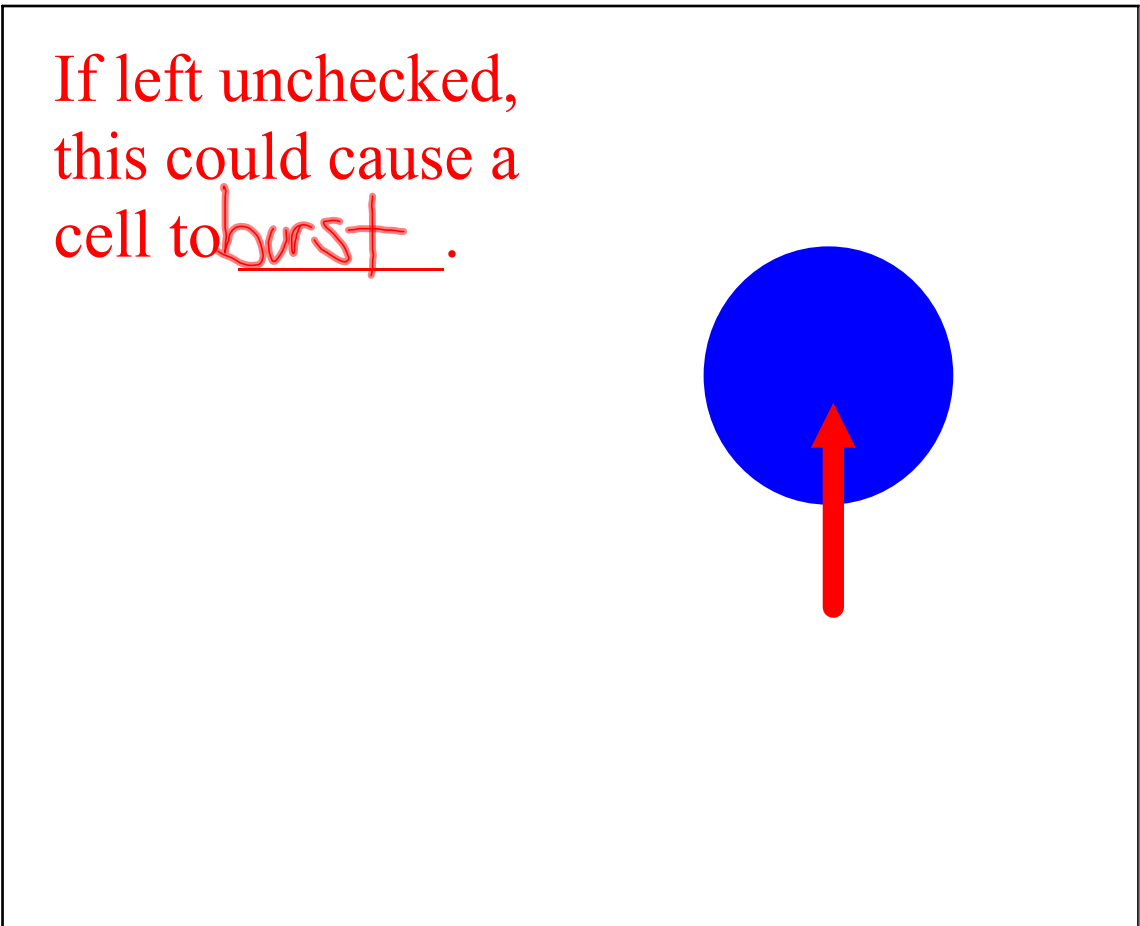


BIOSOURCES
TEACHING TRANSPARENCIES

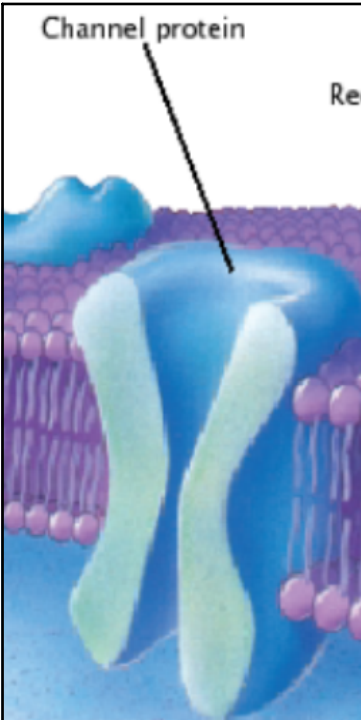
Oct 13 - 11:20 AM



Oct 13 - 11:23 AM



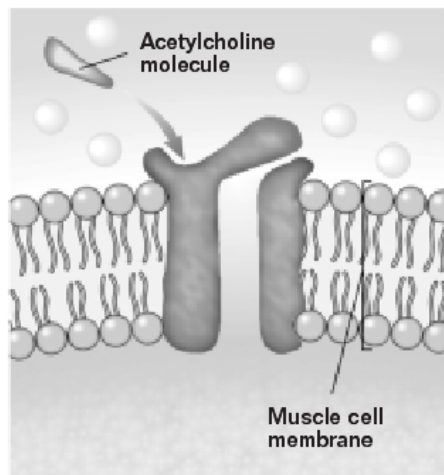
Oct 13 - 11:26 AM



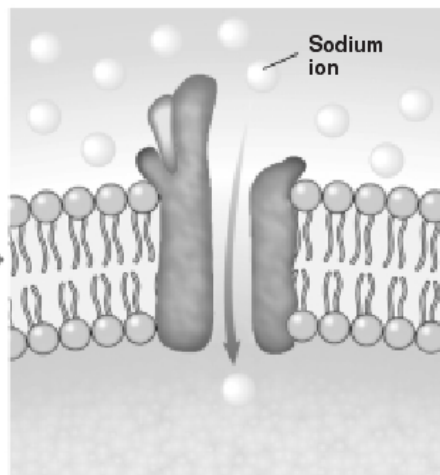
BIO SOURCES
TEACHING TRANSPARENCIES

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

Sep 30 - 9:18 AM



Closed channel

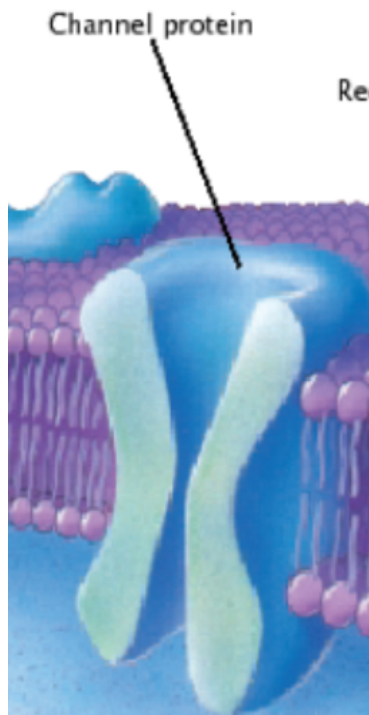


Open channel

Ion Channel

BIO SOURCES
TRANSPARENCY MASTER

Oct 13 - 1:12 PM



BIOSOURCES
TEACHING TRANSPARENCIES

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

Attachments

cell_trans_osmosis1.mov

cell_trans_concentarion_gradient1.mov

cell_trans_passive_transport.mov