## Chapter 4-1

You should be able to answer these questions.

Distinguish between polar and nonpolar molecules.

Identify different kinds of cellmembrane proteins.

Summarize the function of the Golgi.

ATP- main energy current of cells

When <u>Carbs</u> and <u>fats</u> are broken down they are stored <u>temporarily</u> as ATP. <u>Carigas</u>

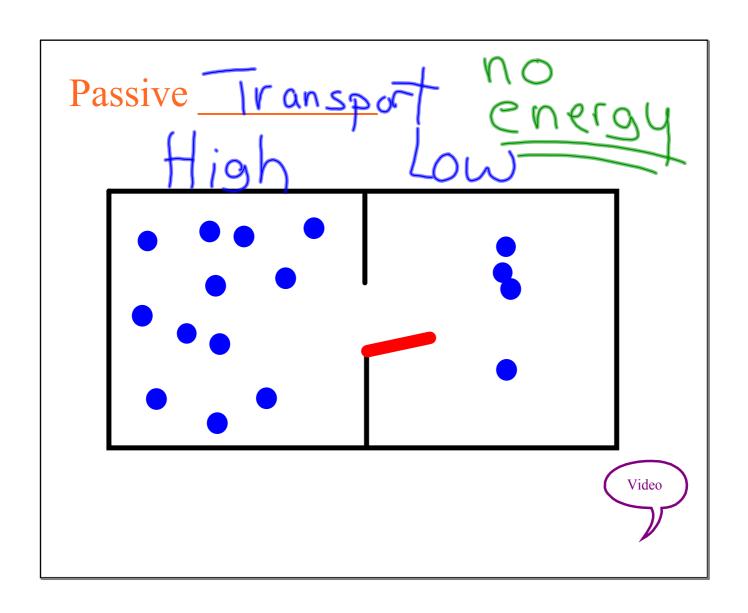
Flashlight: Cell: ATP Homeostasis-

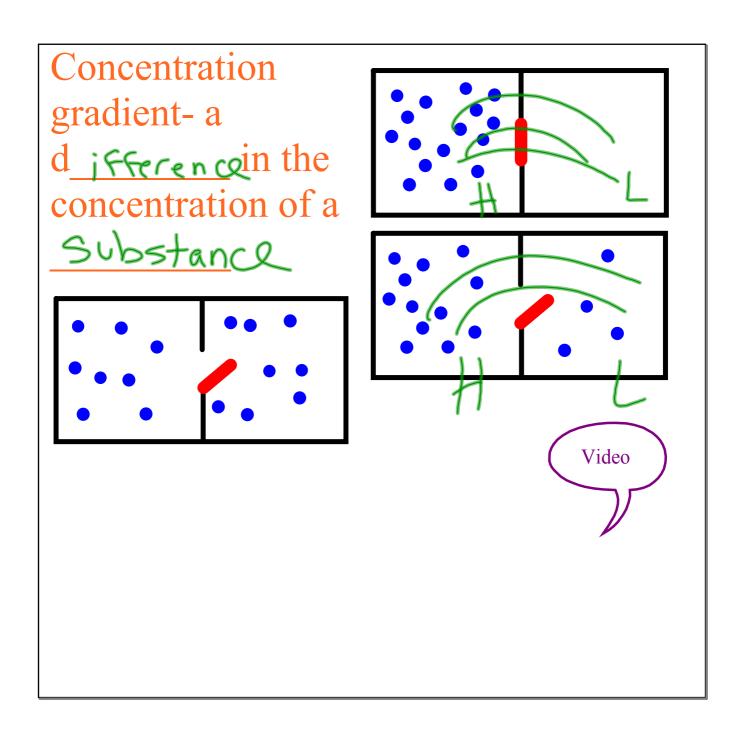
State of being content Cell must use <u>chergy</u> to move some things across the cell <u>membrane</u> and other times no <u>energy</u> is required.

energy is required.

Passive L—Send e-mail

active L—Send a letter





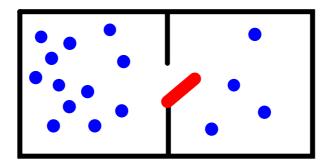
Equilibrium- when the

Concentration of a substance is

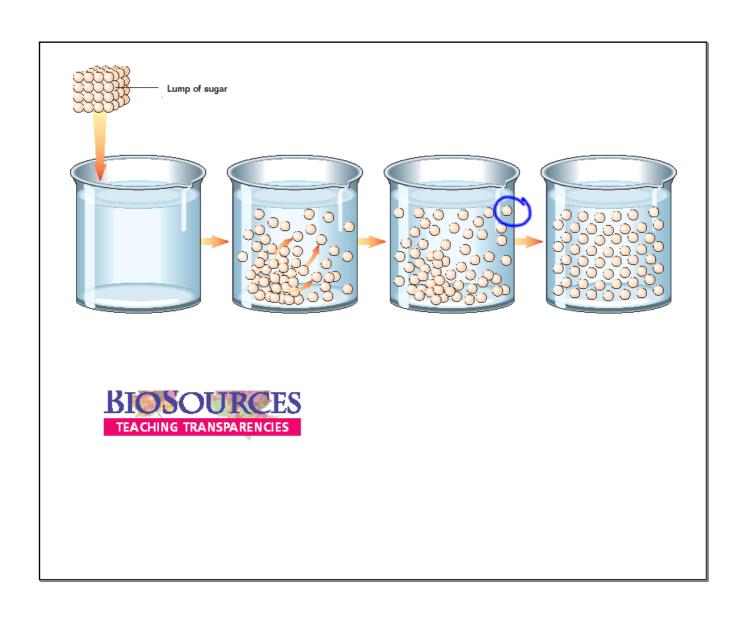
Equilibrium- when the concentration of a substance is

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



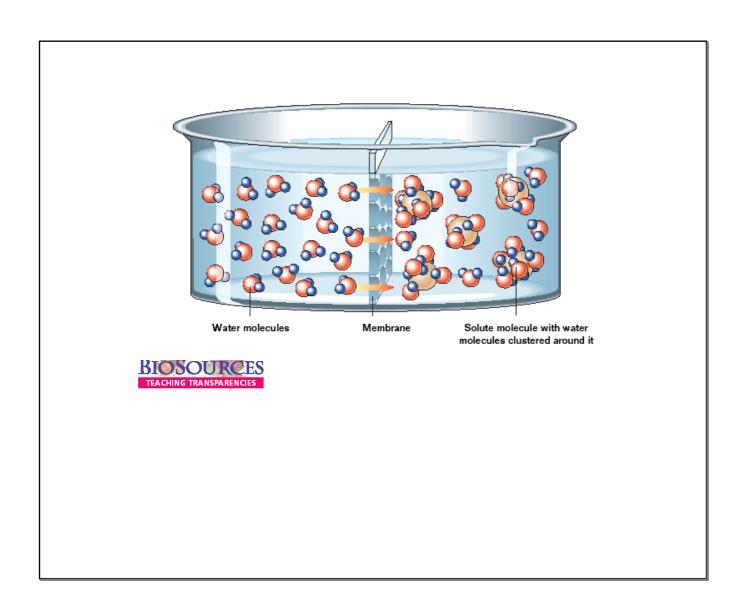
Beaker with water

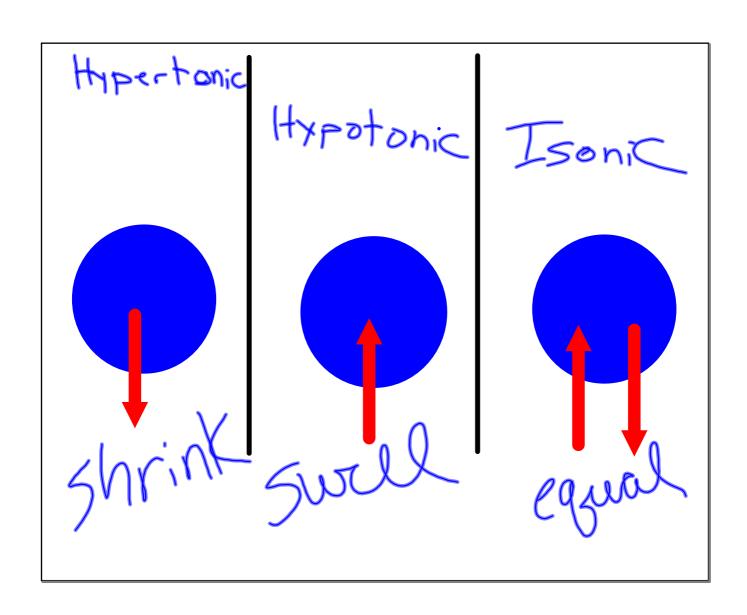


Osmosisdiffusion of
wate
molecules

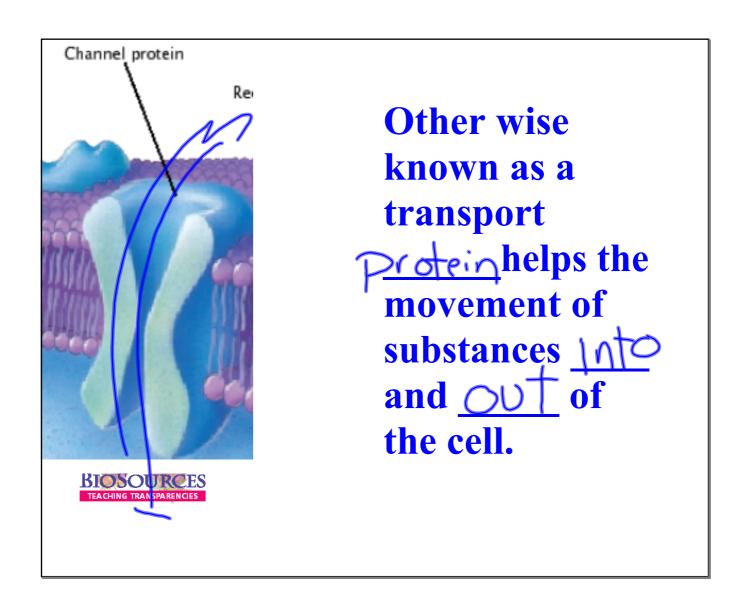
Why do you gargle with salt water for a sore throat?

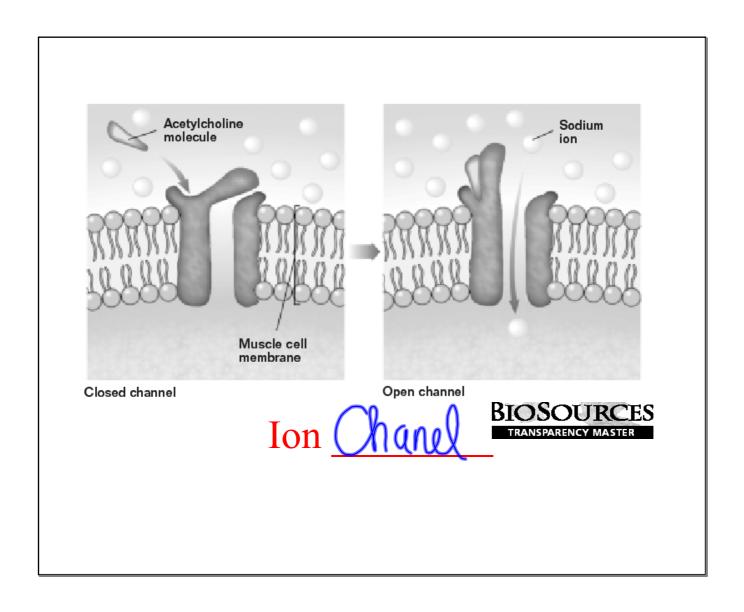
Video

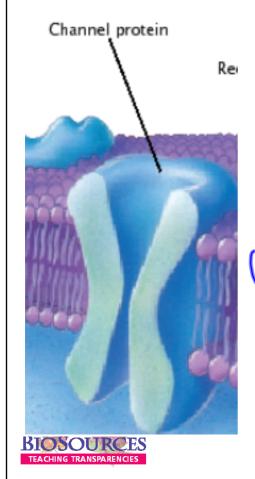




If left unchecked, this could cause a cell to bocst







Faciliated Defosion a type of passive transport because it moves substances olown their concentration gradient using the cell's energy