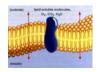
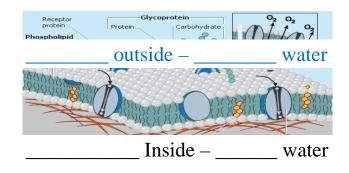
- Movement through the membrane
- Ch. 7 Section 3, Pages 184-189

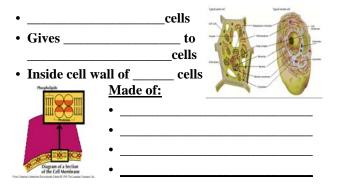


Objective: Students will A) Identify the 3 parts and functions of the cell membrane B) Define cellular transport and concentration C) Compare osmosis and diffusion D) Compare passive and active transport E) Predict cell response from changing salt concentrations A) Identify the 3 parts and functions of the cell membrane Cell Membrane

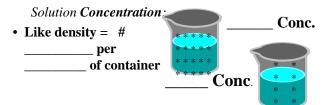


A) Identify the 3 parts and functions of the cell membrane

Cell Membrane

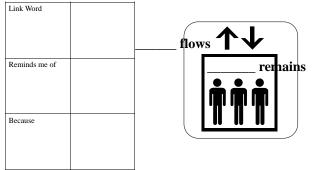


B) Define cellular transport and concentration



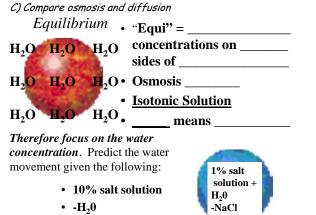
A) Identify the 3 parts and functions of the cell membrane Semi-permeable or

Selectively permeable

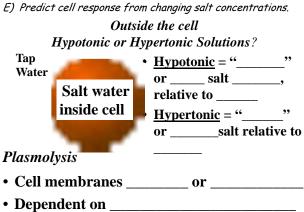


C) Compare osmosis and diffusion

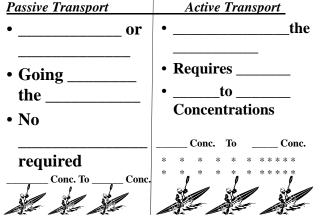
| Diffusion | | <u>Osmosis</u> |
|---|-------------|----------------|
| • Movement of ; or | • | of |
| | _: • Specia | al case of |
| Law of Diffusion: From Concentration to | - • Think | smosis |
| Concentration Balance the | | |



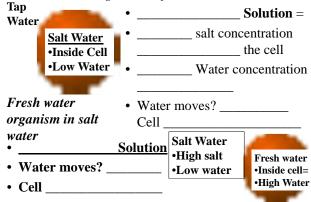
• +NaCl



D) Compare passive and active transport



E) Predict cell response from changing salt concentrations. Sea water organism in fresh water



Understanding Check Active or Passive Transport?

- Which requires ATP energy?
- Which goes with the concentration gradient?
- Which goes against the gradient?

Understanding Check

- 1. Draw a basic cell membrane and label the three main parts.
- 2. Why is the cell membrane called semipermeable?
- 3. Predict what will happen to a plant cell that is placed in salt water. Why does this happen?