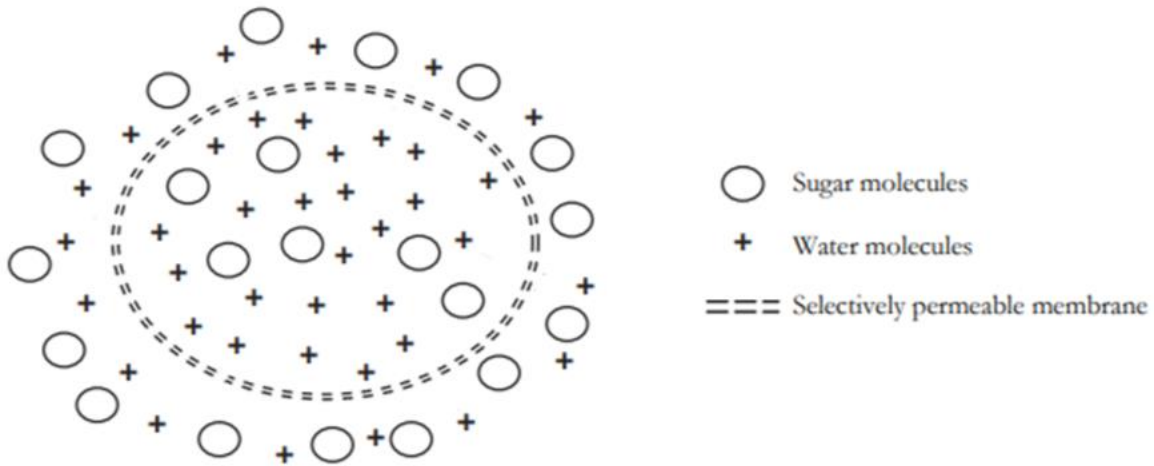


A Model of Diffusion and Osmosis



1. Identify the solute and the solvent.
2. Consider the size of the two molecules. Identify the molecule(s) able to move through the selectively permeable membrane?
3. State which solution (the solution inside the cell or outside of the cell) in the model is more concentrated.
4. Where is the higher concentration of water—inside or outside of the cell?
5. Add arrows to the model to indicate the direction of movement of both molecules.
6. a) The solution inside the cell will become (more/less) concentrated.
b) The solution outside the cell will become (more/less) concentrated.
7. Predict what will eventually happen to the concentration on both sides of the membrane?