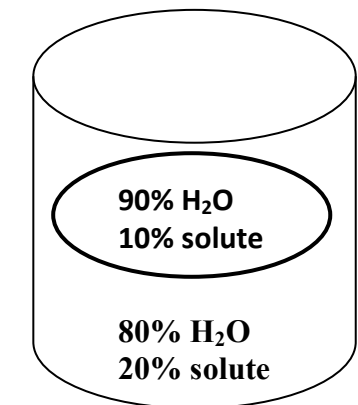
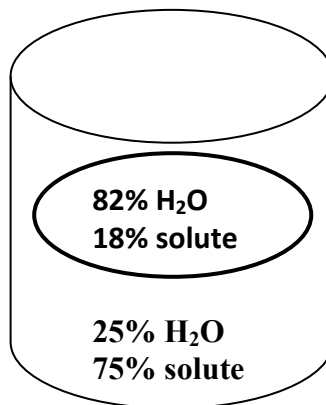
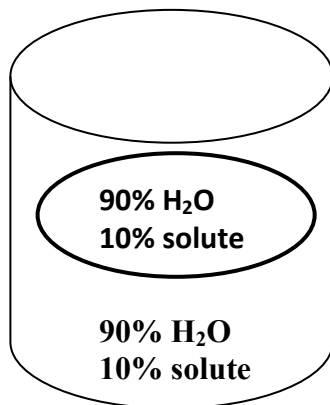
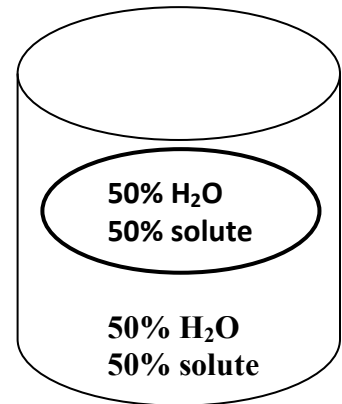
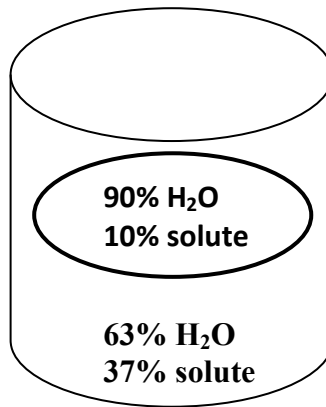
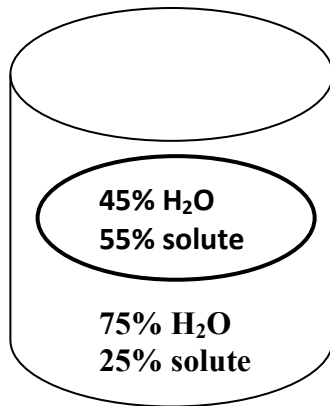
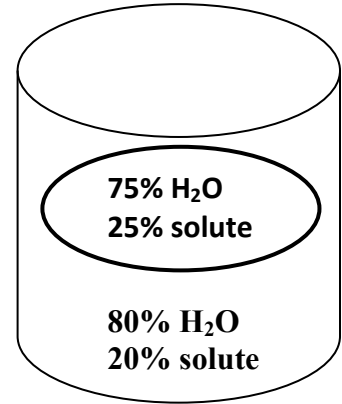
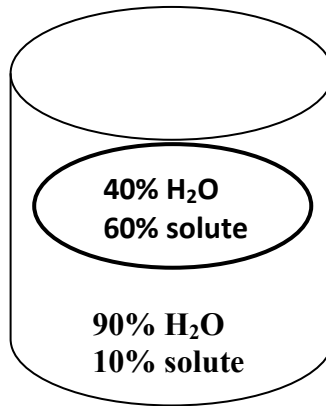
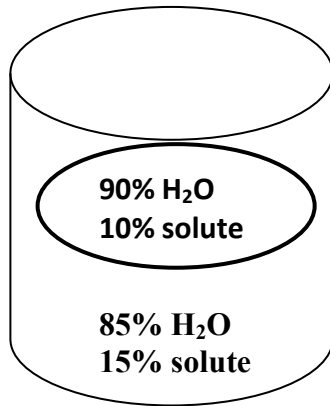


Name: _____

Date: _____

Worksheet 3 Cell Membrane - Diffusion & Osmosis (Nelson p.32)

1. Below are **animal cells** placed in beakers of various concentrations. Draw **an arrow** to show way the water would move by **osmosis**.



2. How are the molecules moving in the examples below? Write Diffusion or Osmosis.

Statement (Examples)	Diffusion or Osmosis
a) The student sitting next to you just came from gym class and forgot to shower and you can tell.	
b) After sitting in the bathtub for hours, your fingers start to look like prunes.	
c) The girl sitting two rows ahead of you put on too much perfume this morning.	
d) One way to get rid of slugs in your garden is to sprinkle salt on them, so they shrivel up.	
e) Yum! Something smells good. The neighbors are cooking on the grill!	
f) Oxygen molecules move from the air sacs in the lungs across the cell membranes into the blood	
g) You put raisins in a glass of water and they plump up.	
h) Gargling with salt water when you have a sore throat causes your swollen throat cells to shrink and feel better.	

3. Consider the solution in the drawing below, with the two sides divided by a cell membrane. In the blank drawing on the **right**, show how the solution would look once it has **reached equilibrium**.

