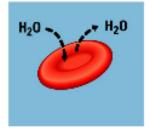
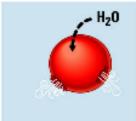
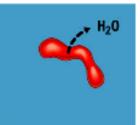
## **Osmosis Practice Problems**

1.	If you soak your hands in dishwater, you may notice that y	your skin absorbs water and swells
	into distinct wrinkles. This is because your skin cells are	to the
	dishwater.	

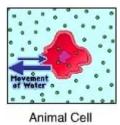
- a. hypotonic, hypertonic
- b. hypertonic, hypotonic
- c. hypotonic, hypotonic
- d. isotonic, hypotonic
- e. hypertonic, isotonic
- 2. You decide to buy a new fish for your freshwater aquarium. When you introduce the fish into its new tank, the fish swells up and dies. You later learn that it was a fish from the ocean. Based on what you know of tonicity, the most likely explanation is that unfortunate fish went from a(n) \_\_\_\_\_\_ solution into a(n) \_\_\_\_\_ solution.
  - a. isotonic, hypotonic
  - b. hypertonic, isotonic
  - c. hypotonic, hypertonic
  - d. hypotonic, isotonic
- 3. Under each picture state if the RBC was placed in an isotonic, hypertonic, or hypotonic solution.







- 4. In osmosis, water always moves toward the \_\_\_\_\_ solution: that is, toward the solution with the solute concentration.
  - a. isotonic, greater
  - b. hypertonic, greater
  - c. hypertonic, lesser
  - d. hypotonic, greater
  - e. hypotonic, lesser



	5. You know that this cell is a. hypotonic, is turgid b. hypotonic, lysed c. hypertonic, lysed d. hypertonic solution, lost ve. hypertonic, gained water		_ solution because it	Animal Cell	
memb	e concentration of solutes in a brane, but water and urea can. rsed in which of the following a. a hypertonic sucrose solut b. a hypotonic sucrose solut c. a hypertonic urea solution d. a hypotonic urea solution e. pure water	Osmosis wog solutions? tion			
7. Sea	a. one cup of sea water cont b. sea water is hypertonic to by osmosis c. sea water is isotonic to yo your cells to burst d. the salt causes hypertensi e. it contains toxic levels of	ains enough your body to our body flui on and you	issues and drinking it	will cause you to lose we too much water, causing	
8. If th	to the cell.  a. hypertonic b. subatomic c. isotonic d. gin and tonic e. hypotonic	when it is pla	aced in a solution, that	solution is said to be	
may b	ching the direction of net moveme be used more than once simple passive diffusion 2. facilitated diffusion 3. active transport 4 water with regards to the water with regard to the sol	a. movemo	ent from high to low cent from low to high cation gradient during of	oncentration oncentration osmosis	ès