Pretest
Directions: Find the answer that best completes the sentence or answers the question. Circle the correct answer.

1. A cell moves particles from a region of lesser concentration to a region of greater concentration by ________________.
   a. Active transport
   b. Osmosis
   c. Passive transport
   d. Facilitated diffusion

2. Which of the following is NOT a form of passive transport?
   a. Osmosis
   b. Facilitated diffusion
   c. Endocytosis

3. If cells are placed in a strong sugar solution, water will ________.
   a. Pass back and forth between the cell and solution
   b. Remain within the cell
   c. Pass from the cells to the sugar solution
   d. Pass from the sugar solution to the cells

4. Water moves into a cell placed in a(n) ______________ solution.
   a. Isotonic
   b. Hypotonic
   c. Hypertonic
   d. Osmotic

5. The fluid mosaic model describes a structure with ________________.
   a. Nonpolar layers on both the inside and the outside
   b. Polar layers on both the inside and the outside
   c. Nonpolar layers on the outside, polar layer on the inside
   d. Polar layers on the outside, nonpolar layer on the inside

6. The polar ends of the phospholipids in the plasma membrane form __________ layer(s).
   a. Single
   b. Double
   c. Mosaic
   d. Several

7. A raisin is placed in a cup of distilled water. What happens with movement of water? What happens to the raisin?
Rubric- Pretest

1. LG 1- answer A - 2 pts  
2. LG 1- answer C – 2 pts  
3. LG 2- answer C – 2 pts  
4. LG 2- answer B – 2 pts  
5. LG 3- answer D – 2 pts  
6. LG 3- answer B – 2 pts  
7. LG 1-3- answer: The results will be that water will move into the raisin (1 pt) causing the raisin to swell (1 pt).

Rubric- Posttest

1. answer C- LG1- 2pts each  
2. answer A- LG1  
3. answer B- LG3  
4. answer D- LG3  
5. answer B- LG2  
6. answer C- LG2  
7. same as above
Post Test
Directions: Find the answer that best completes the sentence or answers the question. Circle the correct answer.

1. Which of the following is NOT a form of passive transport?
   a. Osmosis
   b. Facilitated diffusion
   c. Endocytosis

2. A cell moves particles from a region of lesser concentration to a region of greater concentration by ________________.
   a. Active transport
   b. Osmosis
   c. Passive transport
   d. Facilitated diffusion

3. The polar ends of the phospholipids in the plasma membrane form _________ layer(s).
   a. Single
   b. Double
   c. Mosaic
   d. Several

4. The fluid mosaic model describes a structure with ________________.
   a. Nonpolar layers on both the inside and the outside
   b. Polar layers on both the inside and the outside
   c. Nonpolar layers on the outside, polar layer on the inside
   d. Polar layers on the outside, nonpolar layer on the inside

5. Water moves into a cell placed in a(n) _____________ solution.
   a. Isotonic
   b. Hypotonic
   c. Hypertonic
   d. Osmotic

6. If cells are placed in a strong sugar solution, water will ________.
   a. Pass back and forth between the cell and solution
   b. Remain within the cell
   c. Pass from the cells to the sugar solution
   d. Pass from the sugar solution to the cells

7. A raisin is placed in a cup of distilled water. What happens with movement of water? What happens to the raisin?