

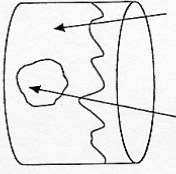
Osmosis Worksheet

Name \_\_\_\_\_  
Date \_\_\_\_\_ Period \_\_\_\_\_

For each of the following, do these things:

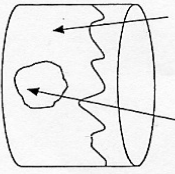
- Determine the solute and solvent for the solution outside the cell (environment) and for the inside of the cell. Then...
  - A. Tell whether the solution outside the cell is hypotonic, hypertonic, or isotonic.
  - B. Tell what will happen to the cell (shrink or swell).
  - C. Give the direction of the net movement of water (into cell, out of cell, or into & out of cell at equal rates).

20% solute      80% solute  
\_\_\_\_% solvent    \_\_\_\_% solvent



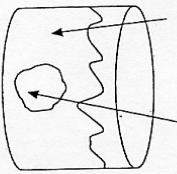
- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

\_\_\_\_% solute      \_\_\_\_% solute  
10% solvent      90% solvent



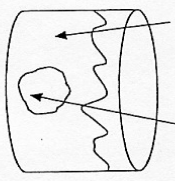
- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

40% solute      30% solute  
\_\_\_\_% solvent    \_\_\_\_% solvent



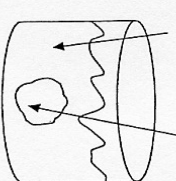
- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

50% solute      50% solute  
\_\_\_\_% solvent    \_\_\_\_% solvent



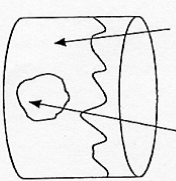
- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

80% solute      \_\_\_\_% solute  
\_\_\_\_% solvent    10% solvent



- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

\_\_\_\_% solute      30% solute  
70% solvent      \_\_\_\_% solvent



- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_