Name: _____

Date: _____ Class: _____

## Active Art Assessment: Diffusion

Web Code cbp-3073

1. Briefly describe the main functions of a cell membrane.

_____

_____

_____

2. Define the term selectively permeable.

_____

_____

3. Define diffusion.

_____

_____

4. When the concentration of the solute is the same throughout a system, the system has reached _____.

5. During diffusion, substances will tend to move from an area of _____ concentration to an area of _____ concentration.

6. If there is more solute inside a membrane than outside, solute particles will move across the membrane to the _____ of the cell to achieve equilibrium.

## Active Art Assessment: Osmosis

Web Code cbp-3075

1. Define osmosis.

_____

_____

2. Is osmosis a form of active transport or passive transport? Explain.

_____

_____

3. Define isotonic.

_____

_____

4. The concentration of a solution is the _____ of solute in a given _____ of solution.

Describe the direction water will move in each of the following cases.

5. A cell is placed in a hypotonic solution.

6. A cell is placed in an isotonic solution.

7. A cell is placed in a hypertonic solution.

## Active Art Assessment: Active Transport

Web Code cbp-3076

1. Some substances move across a cell membrane from areas of _____ concentration to areas of _____ concentration by the process of diffusion.

2. Define active transport.

3. List three types of active transport and briefly describe each one.
   1.

   2.

   3.

5. Briefly describe the function of the sodium potassium pump.

6. Describe what happens to large molecules, such as food particles, during phagocytosis.

7. Describe what happens during exocytosis.