

## VLA Basic Biology: Unit 8 Worksheet

### A. Select the letter of the description that best matches the term given.

1. \_\_\_\_\_ Osmosis
2. \_\_\_\_\_ Hypertonic
3. \_\_\_\_\_ Hypotonic
4. \_\_\_\_\_ Isotonic

- A. A solution that has a higher solute concentration than the solution inside the cell.
- B. The diffusion of water across the cell membrane.
- C. A solution that has a lower solute concentration than the solution inside the cell.
- D. A solution that has the same solute concentration as the solution inside the cell.

### B. Select the letter of the description that best matches the term given.

1. \_\_\_\_\_ Active Transport
2. \_\_\_\_\_ Passive Transport
3. \_\_\_\_\_ Diffusion
4. \_\_\_\_\_ Sodium-Potassium Pump
5. \_\_\_\_\_ Facilitated Diffusion
6. \_\_\_\_\_ Endocytosis
7. \_\_\_\_\_ Exocytosis

- A. A type of active transport that uses membrane proteins known as “pumps” and ATP molecules for energy.
- B. The process of moving a large substance into the cell by way of a vesicle.
- C. The transport that involves moving a substance through the membrane, against the concentration gradient, with the use of energy.
- D. Movement of particles from areas of high concentration to areas of low concentration.
- E. The process of moving a large substance out of the cell by way of a vesicle.
- F. The transport that involves moving a substance through the membrane, down the concentration gradient, without the use of energy.
- G. A type of passive transport that uses transport proteins.