

## 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.