## Phase Changes Study Guide (6.P.2.2) *Answer Key*

## Phases of Matter:

***Solid*** - Matter that has definite volume and shape. The molecules are packed together tightly and move slowly.

***Liquid*** - Matter that has definite volume but not shape. Since the molecules are loosely packed and move with greater speed, it can flow and spread.

***Gas*** - Matter that has no definite volume or shape. The molecules are so loosely arranged and move so rapidly that they will fill their container.

## Phase Change Descriptions

## Word Bank

## Boiling Condensation Deposition Evaporation

## Freezing Melting Sublimation Vaporization

1) The change from solid to liquid. ***Melting***

2) The change from liquid to solid. ***Freezing***



3) The change from liquid to gas. ***Vaporization***

4) Vaporization from the surface of a liquid. ***Evaporation***

5) Vaporization from within as well as from the surface of a liquid. ***Boiling***

6) The change from gas to liquid. ***Condensation***

7) The change from solid to gas. ***Sublimation***

8) The change from gas to solid. ***Deposition***

**Phase Change Diagram - Fill in the phase changes in the blank provided.**

