

Homework 10/26

Phase Changes Worksheet

Name _____

Phases of Matter:

Solid

- matter that has definite volume and shape.
- The particles of a solid have high attraction for each other so are packed together tightly and vibrate in position.

Liquid

- matter that has definite volume but not shape.
- The particles of a liquid have high attraction for each other so are tightly packed but have more energy than solids so they tumble past each other enabling liquids to flow

Gas

- matter that has indefinite volume or shape.
- Gases exist as single particles with no attraction for each other and move rapidly in straight line colliding with each other or the inside of the container that they will spread out and fill.

Phase Change Descriptions:

Melting

the change from _____ to _____.

Freezing

the change from _____ to _____.

vaporization

the change from _____ to _____.

Condensation

the change from _____ to _____.

Sublimation

the change from _____ to _____.

Deposition

the change from _____ to _____.

Fill in the phase changes in the blank provided.

