**Study Guide**

**Ch. 2 Test States of Matter/Phase Changes**

**Chapter 2 Sec.1 - Solids, Liquids, Gases**

**Chapter 2 Sec.2 Phase Changes**

*You should be able to:*

* Identify/ Describe the **characteristics of a solid, liquid and gas**
* **Shape- particle arrangement**
* **Volume**
* **Energy/Heat- particle movement**
* Describe how a **liquid becomes a gas- Vaporization**
* **Evaporation (surface) vs. Boiling (throughout)**
* Describe how a **gas becomes a liquid- Condensation**
* Describe how a **solid can become a liquid**- **Melting**
* Describe how a **liquid becomes a solid**- **Freezing**
* Know relationship between heat/energy/particle movement
* **heat ↑= temperature ↑= ↑particle movement = →changed state of matter** *(as heat increases, temperature increases, particle movement increases= causing a change in state of matter)*
* **heat↓=temperature↓=↓particle movement = →changed state of matter (***as heat decreases, temperature decreases, particle movement decreases= causing a change in state)*
* Look at **phase change graph** from class – be able to find when a substance is a **solid, liquid, or a gas** – also be able to locate **melting and boiling points**

Key terms

Solid Crystalline Solids

Amorphous solid (non-crystalline solid) liquid Fluid surface tension

Viscosity gas

Melting Melting Point

Freezing Vaporization

Evaporation Boiling

Boiling Point Condensation

Sublimation