

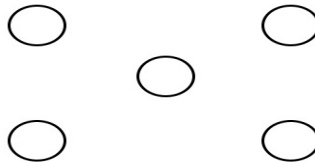
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Heat and Phase Changes

1. The phase change from a solid to a liquid is called **melting**.
2. A glass of water is in the **liquid** phase.
3. An ice cube is in the **Solid** phase.
4. Solids have a **definite** shape and **definite** volume.
5. Describe how the molecules are arranged and moving in the liquid phase. Include a picture with your description.

**particles are further apart than a gas solid and Closer than a gas allowing particles to Spread out. Energy is medium as is the intermolecular forces.**



6. In order to get liquid water to become water vapor energy must be **absorbed** to the liquid water.
7. The phase change from liquid to gas is called vaporization. There are two types of vaporization, **evaporation** which occurs only at the surface while **boiling** occurs anywhere within liquid.
8. Gases have no definite **Shape**. and no definite **volume**.
9. Describe how the molecules are arranged and moving in the solid phase. Include a picture with your description. **particles are tightly packed due to strong intermolecular forces. They only vibrate**
10. Liquids have a definite **Volume** but not a definite **shape**.