

# States of Matter

Name \_\_\_\_\_

1. What two things determine the state of matter a substance will be in?
2. Describe the motion of the atoms in a substance that is in the solid state.
3. List 5 crystalline solids and 3 amorphous solids.
4. Compare and contrast crystalline solids and amorphous solids. How are they alike; how are they different? Use Venn diagram on back.
5. Describe the motion of atoms in a liquid.
6. List and describe the six ways in which a substance can change state.
7. List the following liquids in order of increasing viscosity:  
HONEY      WATER      MAPLE SYRUP      BLOOD
8. What causes water to form into drops?
9. Describe the motion of atoms in a gas.

10 In the diagram below, label the solid, the gas, and the liquid.

