Name: Date: Blk:

**Science 9**

**1.2 Study Guide**

1. What is Matter?

a. Define, Describe, and Draw the three different states of matter.

**SOLID GAS LIQUID**

2. Using the word bank, complete the Changes of State triangle.

Melting

Evaporation

Sublimation

Condensation

Solidification

Deposition

**GAS**

**LIQUID SOLID**

3. Define:

**Melting Point:**

**Freezing Point:**

**Boiling Point:**

**Condensing Point:**

4. State the Kinetic Molecular Theory:

5. What is the difference between a **chemical change** and a **physical change**? Define both and give an example.

5. Define **and** give an example.

**Qualitative Properties:**

**Quantitative Properties:**

|  |  |
| --- | --- |
| **Measured:** | **Property: (Qualitative or Quantitative)** |
| Time |  |
| Smell |  |
| Colour |  |
| Temperature |  |

6. List at least 3 physical properties and 3 chemical properties that you would use to describe a substance.

7. Define:

**Malleability:**

**Conductivity:**

**Ductility:**