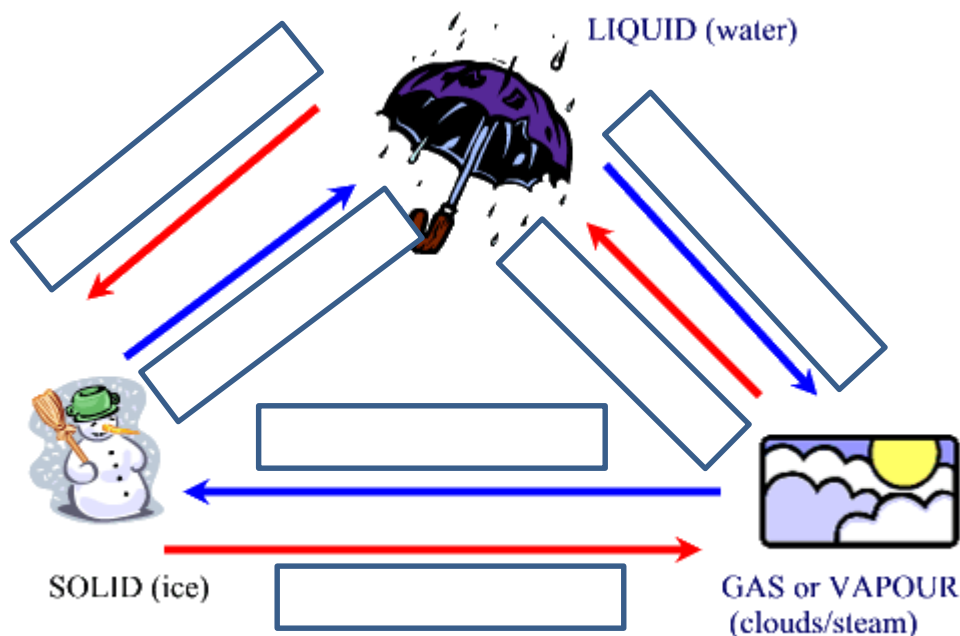


NAME: \_\_\_\_\_

## Properties of Matter Worksheet

1. Fill out the picture below



2. *Iodine is a solid with somewhat lustrous, blue-black crystals. The crystals sublimes easily to a gas which is violet in color. Iodine, like chlorine, combines with many metals. For example, aluminum combines with iodine to give aluminum iodide.*

Identify each of these characteristics of iodine as physical and chemical properties.

Physical properties of Iodine:

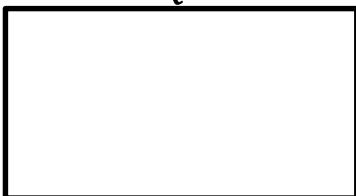
Chemical Properties of Iodine:

3. Diagram AND describe how do the particles of a solid, liquid, and gas look like.

*SOLID*



*LIQUID*



*GAS*



4. Read each statement below, and identify if the statement deals with a chemical or physical property. Write PP (physical property) or CP (chemical property) next to the statements to give your answer. If it is a physical property, write whether it is an Extensive (E) or Intensive (I) property.

- a. Copper turns green when exposed to the environment.
- b. The density of water is 1.0 gram per cubic centimeter.
- c. The tree is 8 meters high.
- d. Copper conducts electricity.
- e. The mass of the NaCl sample is 30 grams.
- f. Vitamin C tablets react with water to produce gas.
- g. Iron reacts with oxygen and forms rust.
- h. Baking soda reacts with vinegar.
- i. Oxygen is a gas.
- j. Nitrogen is a colorless gas.
- k. The piece of metal is magnetic.
- l. Silver necklaces tarnish and turn green.