Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Inductive Lesson**

**Directions:** Use the following information each of the text boxes to determine the state of matter that it is referring to.

1. The molecules in this state of matter move fast enough to overcome nearly all of the attraction between them. The particles do not have a definite shape or a definite volume. The particles move independently of one another what am I?

2. This state of matter has no definite shape but has a definite volume. The particles move fast enough to overcome some of the attraction between them. The particles are able to slide past each other. What state of matter am I?

3. This state of matter does not have a definite shape or volume. It is capable of conducting an electric current and is affected by magnetic fields. What state of matter am I?

4. This state of matter has a definite shape and a definite volume. The particles cannot overcome the strong attraction between them. The particles vibrate in place. What state of matter am I?