



Name: \_\_\_\_\_ 4\_

### Properties of Matter

Fill in the blank using the word bank below. You will use answers more than once!

**matter mass magnetism volume temperature density**  
**states of matter physical properties**

1. \_\_\_\_\_ Anything that has mass or takes up space
2. \_\_\_\_\_ The amount of space something takes up
3. \_\_\_\_\_ Whether something is attracted to a magnet
4. \_\_\_\_\_ Measured using a thermometer
5. \_\_\_\_\_ Measured in grams
6. \_\_\_\_\_ A property of matter that can be measured or observed using the 5 senses
7. \_\_\_\_\_ Measured using a graduated cylinder
8. \_\_\_\_\_ Whether something is a solid, liquid, or gas
9. \_\_\_\_\_ How much matter is in something
10. \_\_\_\_\_ Whether something will sink or float
11. \_\_\_\_\_ How hot or cold something is
12. \_\_\_\_\_ Measured using a triple beam balance
13. \_\_\_\_\_ Measured in degrees Celsius
14. \_\_\_\_\_ Measured in liters (or milliliters)

2 Match the following terms with their definitions.

- |                            |   |
|----------------------------|---|
| _____ 1. Matter            | A. Measurement of the amount of matter in an object.  |
| _____ 2. Solid             | B. State of matter with definite volume but not definite shape.   |
| _____ 3. Liquid            | C. Amount of matter contained in a given volume.  |
| _____ 4. Gas               | D. A characteristic that is observed when a substance reacts with another substance.                      |
| _____ 5. Mass              | E. Amount of space an object occupies.  |
| _____ 6. Volume            | F. State of matter that does not have a definite shape of volume.   |
| _____ 7. Density           | G. A characteristic of a substance that can be observed without changing the substance into anything new. |
| _____ 8. Physical Property | H. Anything that has mass, volume and is made of atoms.   |
| _____ 9. Chemical Property | I. State of matter with definite shape and volume.  |

3. Complete the following table to describe the states of matter described below:

State/property	Mass	Shape	Volume	Particle arrangement (drawing)	Example
Gas					
Liquid					
Plasma					
Solid					