

Name \_\_\_\_\_

## Chemistry Chapters 1-3 test review

### Scientific Method

- Know what it is
- Know how it is a useful thinking process
- Independent vs. Dependent variable
  
- How many things should you change in an experiment at a time?
- Explain the importance of a control group.

### Measurements

- Know the basic unit of measurement for Mass, Volume, and length
- Know how to convert units within the metric system. (I expect you to have this memorized)

.97mm to meters

95Liters to centiliters

.86Km to meters

32meters to Km

7.56cm to mm

7.56cm to m

3.25m to Km

3.25Km to m

- Scientific Notation
- Know how to calculate density  
When an object is placed in a graduated cylinder to volume raises from 13mL to 18mL. The mass of the object is 15g. Calculate the density of this object.
  
- How can knowing the density of an object be useful?

### Matter

- Know the states of matter (Solid, Liquid, Gas)
- Chemical vs. Physical properties
- Chemical vs. Physical changes
- Law of conservation of mass
- Heterogenous vs. homogenous mixtures
- Elements vs. compounds
- How did Dmitri Mendeleev contribute to chemistry?