

UNIT 1 STUDY GUIDE:

SCIENTIFIC INQUIRY, LAB SAFETY, AND METRIC UNITS

- **Know the 7 steps of Scientific Inquiry in order.** *Refer to the “Steps of the Scientific Inquiry Notes” worksheet for this. The PowerPoint is also available on my website.*
- **Know WHAT is done in each step of scientific inquiry.** *Refer to the “Steps of the Scientific Inquiry Notes” worksheet or the PowerPoint.*
- **Know HOW to identify each step of scientific inquiry.** *Looking at the PowerPoint “Identifying Variables” and Hypothesis and Variables Notes will help.*
- **Know all the parts of a line graph that are required and be able to create one on your own.**
Title, label x axis, label y axis, origin begins at 0, number axes appropriately, ruler to connect dots
- **What units would be used to measure different objects**
Mass is measured in grams, length is measured in meter, volume is measured in liter
- **The correct abbreviation for the metric units**
“Metric Mania” notes and conversion sheet will help you review
- **Know how to correctly convert metric units, ex. 1000 Kg = _____ g**
“Metric Mania” notes and conversion sheet will help you review
- **How to find density of an object using the correct formula**
$$\text{Density} = \frac{\text{mass}}{\text{volume}}$$

**** correct units for density are g/cm³!!*