Date _____

Topic:Measurement and GraphingAim:		
1. What is the definition of density?	Density – the amount of mass in a given volume Units: g/cm ³ or g/mL (how packed the molecules are in a substance – more packed = more dense)	
2. How is the density formula used?	b. Density Calculation for PLASTIC : Mass = Volume = Substitutions:	c. Density Calculation for ALUMINUM : Mass = Volume = Substitutions:
a. Density Formula: Density = mass / volume D = m / V	Density =	Density =
Example 1: The mass of a piece of oak is determined to be 5g. If the density of oak is known to be .75 g/cm³, what would the volume of that piece of oak be?		
Example 2: The density of a chunk of iron is 7.9 g/mL. The chunk of iron was found to have a volume of 3mL. What would the mass of that chunk of iron be?		
3. How can the relative densities of different substances be compared without doing any calculations?		two different densities are mixed ense substance sinks to the bottom substance rises to the top.