

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

Date: \_\_\_\_\_

## Density Problems

Directions: Answer in the space provided. Be sure to show ALL your work.  
Have fun and remember Chem-is-try 1. A 350.0 ml chunk of boron has a mass of 8.199.  
What is the density of boron?

1. Beeswax has a density of 961 g/L. If a block of beeswax has a volume of 200.0 ml., what is the mass of the block?

2. A 350.0 ml, chunk of boron has a mass of 8.19g. What is the density of boron?

3. 25.0 mL's of w, x,y and z are poured into a 150.0 ml graduated cylinder. Each of the compounds is a liquid and each one will not dissolve in the other. If 55.0 ml of w has a mass of 107.3 g. 12.0 mL of x has a mass of 51.89g. 42.5 ml. of y has a mass of 46.89 g and 115.0 mL of z has a mass of 74.8g, list the layers found in the cylinder (from top to bottom. Hint - Find the densitiesil)

4. Alcohol has a density of 0.789 g/mL. What volume of alcohol is needed if you require 49 g of alcohol?