

NAME:

PERIOD:

DATE:

## DENSITY HOMEWORK #1

Use your notes to help you answer the following questions.

1. What is the density of a piece of wood with a mass of 25 grams and a volume of  $100 \text{ cm}^3$ ?

**Show your work. Label your answer. Circle your answer.**

2. What is the density of a piece of metal with a mass of 45g and a volume of 5 mL?

**Show your work. Label your answer. Circle your answer.**

3.



Look at the picture above, then **Circle all the statements about the picture that are true.**

- A. The wood is less dense than the rock.
- B. The rock is more dense than the water.
- C. The wood is less dense than the water
- D. The water is more dense than the wood.



4 & 5. Find the densities of the liquids. Then, arrange them in the cylinder on the right.

Liquid	Mass	Volume	Density
Mercury	26 g	2 mL	
Vegetable Oil	1.5 g	2 mL	
Maple Syrup	1.8 g	1 mL	
Water	2 g	2 mL	

