

## DENSITY HOMEWORK

Directions: Calculate the density, but don't forget to place the proper units with density.

*Show work including formula.*

*\* Answer the next 5 questions according to chart.*

1.) Mass: 10 grams  
Volume: 5 mL  
Density: \_\_\_\_\_

6.) What is the density of H<sub>2</sub>O? (Hint @ 4°C)  
\_\_\_\_\_

2.) Mass: 21 grams  
Volume: 7 mL  
Density: \_\_\_\_\_

7.) What was the densest material?  
\_\_\_\_\_

3.) Mass: 100 grams  
Volume: 35 mL  
Density: \_\_\_\_\_

8.) What was the least dense material?  
\_\_\_\_\_

4.) Mass: 0.5 grams  
Volume: 2 mL  
Density: \_\_\_\_\_

9.) Was anything dense enough to sink in water? \_\_\_\_\_

5.) Mass: 22 grams  
Volume: 25 mL  
Density: \_\_\_\_\_

10.) Was anything dense enough to float in water? \_\_\_\_\_

11. Density: 9 g/mL  
Volume: 5 mL  
mass: \_\_\_\_\_

13. mass: 24 g  
Density: 1.5 g/mL  
Volume: \_\_\_\_\_

12. Density: 30 g/mL  
Volume: 5 mL  
mass: \_\_\_\_\_

14. Density: 18 g/mL  
mass: 540 g  
Volume: \_\_\_\_\_