**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_**

**Density of Objects Lab**

Objective: To calculate densities of different objects in a couple of different ways.

Materials:

 -Marble -Rock -Washer

 -Graduated Cylinder -Water -Dice

 -Triple Beam Balance -Calculator -Penny

Hypothesis: We will not be able to distinguish the difference in density of the marble and the washers.

Procedures:

1. Obtain one of each of the items for your group.
2. Measure the mass of each item and record.
3. Measure the volume of each item and record.
4. Calculate the density of the different materials and record.

Analysis & Data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Measurement | Rock | Penny | Washer | Marble | Dice |
| Mass (g) |  |  |  |  |  |
| Volume (mL, cm3) |  |  |  |  |  |
| Density |  |  |  |  |  |

Lab Conclusion Questions:

1. Which object has the largest volume?
2. Which object the smallest volume?
3. Which Item had the largest density?
4. According to what you’ve learned in class and your experiment today, does the size of an object determine what the density will be? WHY or WHY NOT?