Lab Analysis Measurement/Density Lab

**PENNY LAB**

1. What was the MEASURED difference in the pennies before 1982 and after 1982?

2. Why do you think this happened?

3. With the information on the board what do you think pennies were made of before and after 1982?

4. What does this tell you about identifying a penny? Can you tell by mass only? Can you tell by volume only? What can you use to identify the material of a penny?

**MARBLE LAB**

1. What was measured in the marble lab? How did you measure it?

2. What did you calculate?

3. Based on your straight line graph what can you determine about the density of the marbles?

**LIQUID LAB**

1. Why did this lab fail?

2. The liquids were all clear…were they all water? \_\_\_\_ How do you know?

**DENSITY CUBE LAB**

1. How did you find the volume in this lab?

2. What units were used?

3. Were all cubes the same volume? \_\_\_\_\_\_\_\_ Where all cubes the same mass?\_\_\_\_\_\_\_\_\_

4. If you determined the density of the cubes what information could you find?

**CULMINATING THOUGHTS**

What characteristic property can identify a substance?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are 2 ways to measure volume?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are 2 *measurable* physical properties?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are 2 *size dependent* physical properties?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What *size independent* physical property did this lab contain?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_