

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

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

Period \_\_\_\_\_

## SI Units LAB

**Directions:** Go to each station and measure each object and record the measurements on the data sheet below. Be sure to include the unit the measurement is in for credit. (e.g. 12 g)  
Use complete sentences to answer the questions!

### STATION: Mass

1. What is mass and its SI units? \_\_\_\_\_

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2. How does mass differ from weight? \_\_\_\_\_

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What is the mass of object:



Use Electronic Balance for all 6 objects

Electronic Balance

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

### STATION: Volume

1. What is volume and what are the SI units? \_\_\_\_\_

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2. What would we use to measure liquid volume? \_\_\_\_\_

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Metric Ruler (Regularly-shaped objects)

1. \_\_\_\_\_

2. \_\_\_\_\_

Graduated Cylinder (Irregularly-shaped objects)

3. \_\_\_\_\_

## STATION: Density

1. What is density and its units? \_\_\_\_\_

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2. What tools would we use to measure density? \_\_\_\_\_

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3. What is the equation to find density? \_\_\_\_\_

1. \_\_\_\_\_

1. Find the density of an object that has a **mass of 12g** and a **volume of 48cm<sup>3</sup>**

2. \_\_\_\_\_

2. The density of water. Hint....mass/volume=Density

3. How can you tell if an object is more or less dense than water?

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## STATION: Temperature

1. What is temperature and its units? \_\_\_\_\_

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2. What tools do we use to measure temperature? \_\_\_\_\_

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1. \_\_\_\_\_

Temperature in room

2. \_\_\_\_\_

Temperature in beaker 1

3. \_\_\_\_\_

Temperature in beaker 2

4. \_\_\_\_\_

Temperature in beaker 3

