

1. What is the basic unit of **mass** in the metric system? \_\_\_\_\_
2. What is the main tool that we use in science class to measure **mass**?  
\_\_\_\_\_
3. What are the 3 main prefixes we use in science class and what are their meanings?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Your teacher will now describe how to use the Triple Beam Balance. Describe the method for measuring mass using a triple beam balance below:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. There are several objects that you need to measure the mass for. List the name of the object and its weight. You can do them in any order. **All of your measurements must be to the nearest 1/10<sup>th</sup> of a gram or they will be marked wrong!!!!!!!**

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_
- G. \_\_\_\_\_
- H. \_\_\_\_\_
- I. \_\_\_\_\_
- J. \_\_\_\_\_
- K. \_\_\_\_\_
- L. \_\_\_\_\_
- M. \_\_\_\_\_
- N. \_\_\_\_\_
- O. \_\_\_\_\_
- P. \_\_\_\_\_

6. Estimate the weight of your backpack in kilograms. Use the scale in the front of the room to weigh it. Fill in the information below:

Backpack weight estimated: \_\_\_\_\_

Backpack weight actual: \_\_\_\_\_

Percent error: \_\_\_\_\_

*Percent error is calculated by taking the difference between the actual and estimated weight and dividing that answer by the actual weight.*

7. What person in the class has the heaviest backpack? \_\_\_\_\_