

# Measurementx



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

Subject: \_\_\_\_\_ Section: \_\_\_\_\_

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

## Measurement - A Common Language: Mass

### Mass

mass: \_\_\_\_\_

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### Units of Mass

The basic unit of mass in the SI system is the \_\_\_\_\_.

What are three objects (other than in the book) whose masses would be measured in kilograms.

\_\_\_\_\_

A smaller object's mass such as a paper clip would be measured in \_\_\_\_\_ or

\_\_\_\_\_.

### Conversions

1 Kg = \_\_\_\_\_ g

1 g = \_\_\_\_\_ mg

### Measuring Mass

How does a triple-beam balance work?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Figure 3: Observing

What is the mass of this turtle?

\_\_\_\_\_

## The Difference Between Mass and Weight

How would your weight differ if you were to travel to the moon?

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Why would your mass stay constant if you were to travel to the moon?

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Why do scientists prefer to use the mass of an object instead of its weight?

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✓ Reading Checkpoint (page 49)

What is weight?

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Label the different parts of the triple-beam balance.

