



Name: _____ #: _____

Date: _____ Section: _____ HR: _____

Measurement A Common Language - Mass

Mass

mass:

Units of Mass

The basic unit of mass in the SI system.

Three objects (other than in the book) whose masses would be measured in kilograms.

Smaller object's mass such as a paper clip would be measured in:

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Conversions

$$1 \text{ Kg} = \underline{\hspace{2cm}} \text{ g}$$

$$1 \text{ g} = \underline{\hspace{2cm}} \text{ mg}$$

Measuring Mass

How does a triple-beam balance work?

Steps:

- _____

- _____

- _____

- _____

- _____

- _____

- _____

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?

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

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

✓ **Reading Checkpoint (page 49)**

What is weight?

Label the different parts of the triple-beam balance.

