

Lesson 8: Scientific Measurement

Chemistry with Lab

International System (_____)

_____ **system used in** _____

AKA _____

Length - _____ between _____

Base unit - _____ (_____)

Instrument - _____

Mass - _____ of _____ in a _____

Base unit - _____ (_____)

Instrument - _____

Volume - _____ of _____ an object _____

Base unit - _____ (_____)

Instrument - _____ ruler or _____

Temperature - average _____

Base unit - _____ (____) or _____ (____)

Instrument - _____

Lesson 8: Scientific Measurement (cont.)

Chemistry with Lab

Measuring example:

Width of a textbook = _____

A measurement includes both a _____ and a _____!

Significant Figures - _____ numbers plus one _____
number

Examples of volume measurements:

Volume of liquid = _____

Volume of solid

Rectangular solid - $V =$ _____

Volume of cube = _____

Volume of rectangular solid = _____

Irregular solid - _____

Practice Problems:

Volume of the rock

Volume of rectangular solid

Lesson 8: Scientific Measurement (cont.)

Chemistry with Lab

Volume of rectangular solid using water displacement

$$\text{_____ cm}^3 = \text{_____ mL}$$

The Chemistry Quiz:

CR1. _____ CR2. _____ 1. _____ 2. _____ 3. _____ 4. _____