

Name: _____ Date: _____ Period: _____

Reading Guide: 1.2 The Way Science Works

The _____ is a series of steps one follows to solve problems.

When conducting an experiment, a _____ is a factor of the experiment that changes.

A _____ is a proposed answer to a question that is based on observations, research and data.

_____ is the language of science.

Scientists use the International System of Units, abbreviated _____. It is based on the _____ system.

The Seven Base Units of SI are:

<u>Abrev.</u>	<u>Unit</u>
A	_____
cd	_____
K	_____
kg	_____
m	_____
mol	_____
s	_____

Ampere measure _____

Candela measure _____

Kelvin measure _____

Kilograms measure _____

Meters measure _____

Moles measure _____

Seconds measure _____

Units for such things as weight, force and speed are combinations of base units, and they are called _____ units.

Weight and mass are _____ the same.

_____ is the quantity of matter in an object, and _____ is the amount of force with which gravity pulls on an object.

An object in space may not have _____ because gravity is not pulling upon it, but it still has _____ because it is still made up of matter.