Test Date: 9/9/14

**Study Guide**

**Physical Science**

**Chapter 1: Introduction to Science**

* **Objectives**
	+ Summarize, use, and apply the scientific method in experimentation.
	+ Differentiate between beliefs, scientific theories, and scientific laws.
	+ Differentiate between qualitative and quantitative data and observations.
	+ Use the metric system to determine density, volume, area, and mass of an object.
	+ Convert between metric units using dimensional analysis.
	+ Convert between numbers expressed in normal and scientific notation.
* **Vocabulary**
	+ Density
	+ Mass
	+ Volume
	+ Weight
	+ Metric units
	+ Scientific notation
	+ Accuracy
	+ Precision
	+ Time
	+ Scientific method
	+ Variables
		- Independent variable
		- Dependent variable
	+ Hypothesis
	+ Theory
	+ Law
	+ Qualitative
	+ Quantitative