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