**Test Date:** Tuesday December 15, 2015

**Resources Allowed:** Periodic Table with polyatomic ions

**Physical Science Study Guide**

**Chapter 6 Test: Solutions, Acids, and Bases**

* **Objectives**
  + Distinguish between homogenous mixtures and heterogeneous mixtures
  + Compare and contrast the properties of solutions, colloids, and suspensions
  + Identify ways to separate different kinds of mixtures
  + Describe how a substance dissolves in terms of its solubility, molecular motion, and solute-solvent interactions
  + Identify several factors that affect the rate at which a substance dissolves
  + Relate the structure of water to its ability to dissolve many different substances
  + Distinguish between saturated, unsaturated, and supersaturated solutions
  + Compare and contrast acids and bases
  + Relate the pH of a solution to the concentration and strength of dissolved acid or base
  + Name ionic compounds
  + Write formulas for ionic compounds
  + Write neutralization equations
  + Write acid dissociation equations
  + Write base dissociation equations
  + Recognize several acidic and basic substances commonly found in homes
* **Vocabulary**
  + Suspension
  + Colloid
  + Emulsion
  + Solution
  + Solute
  + Solvent
  + Concentration
  + Unsaturated solution
  + Saturated solution
  + Solubility
  + Supersaturated solution
  + Molarity
  + Acid
  + Indicator
  + Base
  + pH
  + neutralization reaction
  + Salt