**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