Unit 4 Study Guide

Write at Least 1 page on the following subjects:

1. Know what the Mole is and why it is considered a “relative mass”.
2. Know how to convert from moles to grams, moles to atoms, molecules or formula units and vise versa.
3. Know what the molar volume is for all gases. Know how to use this to convert from liters to moles.
4. Know what an activity series is and how to make one if you are given the observations that you need.
5. Know what solubility is and how temperature effects it.
6. Know what the abbreviations for the reactants are and what they stand for (Solid, Liquid, Gas and Aqueous Solution).
7. Know how to use the solubility table to determine if an ionic compound is soluble and if a double replacement reaction will occur or not and be able to identify the precipitate.
8. Know that the atomic masses (atomic mass units) on the periodic table are also the. molar masses (g).

Atomic and Molar mass

1.0079

H

Hydrogen

1