***Calculations in Chemistry Unit Review***

**Concepts that were covered in this unit:**

1. Average atomic mass and % abundance
2. Mole conversions (map)
3. % composition
4. Empirical and molecular formulas
5. Basic stoichiometry (mole ratio)
6. Mass stoichiometry
7. Limiting reagent
8. % yield

**Previous topics covered that were used in this unit:**

1. Nomenclature
2. Predicting products of reactions
3. Balancing equations
4. Scientific notation and significant figures
5. Use of your calculator

**Stoichiometry Problem Solving Model**

1. Write out a **BALANCED** chemical equation for the reaction studied.
2. List the given and required information under the chemical they pertain to.
3. Convert your given information into moles (determine limiting reactant if it applies)
4. Use mole ratio (from the balanced chemical equation) to determine the number of moles of the required.
5. Convert the moles of required to the measurement unit asked for.

Suggested review questions from the Nelson Chemistry 11 text for this unit’s test:  
Page 51 #67

Page 308 #5-9,31,33,35,39,46,50  
Page 346 #1,2,4,6,7,9,39,44,62