**AP Chemistry Unit 2 Test Review Topics**

*MC 18 @ 2pts each*

Recognize/utilize reaction types S,D,C,R and what happens in each

Balance equations

Understand % by mass and Empirical/Molecular Formula Calculations

Use stoichiometry, LR, ER, Theoretical yield

Particle diagram analysis (stoich, etc)

Be able to write formulas from compound names

Acid Decomposition (must be able to name/write) Ex: decompose fluorous acid

*FRQs*

1) Regular empirical formula calculation from % composition. Be able to name final compound.

2) Be able to find the molar mass of a compound based on data.

3) Write a balanced reaction based on information given (name to formula).

Identify type and be able to name product.

4) Write a balanced reaction based on information given (name to formula) based on reaction type. (know diatomics)

Complete stoichiometric calculation based on balanced equation.

5) Write a balanced reaction based on information given (names to formula) based description.

Identify reaction type.

Use LR/ER calculation to determine theoretical yield (like our lab).

Identify LR/ER and calculate percent yield.

For writing/name compounds you must know: Use of Roman numeral for transition metal ionic compounds and use of prefixes for covalent compounds. Must know rules for naming/writing oxyacids.