Chapter 3 Can I?

Balance a chemical equation given the words or formulas for either the entire reaction or just given the reactants?

Identify the type of reaction given only the reactants?

Indicate the states of matter of all reactants and products in a chemical reactions?

Calculate the formula weight given a formula?

Calculate the percent composition of a substance given the formula?

Use the coefficients from a balanced chemical reaction in stoichiometric calculations?

Use Avogadro's number to calculate the number of atoms or molecules involved in a chemical reaction?

Interconvert masses and moles?

Use the percent composition to calculate the empirical and molecular formula of a substance?

Use the concept of combustion analysis problems to determine the formula of an unknown hydrocarbon? (These are very hard and WILL be on the test!)

Use the concept of molar proportions to solve quantitative problems. (stoichiometry)

Identify a limiting reactant in a problem?

Calculate the ending mass of all parts of a chemical reaction. These are extremely difficult at first, but can be mastered through practice. Do every one you can find in the book and any practice materials you can find. These WILL be on the test.