Keypoints Chemical Formulas and Equations

You will not be asked to write a definition of any of these but I do expect you to recognized them when they are used in problems, etc..

Definitions
Balanced Chemical Equation
Chemical Formula
Coefficient
Products
Reactants

Concepts
1. Be able to write a chemical equation when given the formulas of the products and reactants.
2. Be able to write the formula of a salt, when given its name. (Excluding those containing polyatomic ions. This means be able to write the formula of Potassium Chloride, but not Potassium Nitrate.)
3. Be able to give the name of a salt when given its formula. (Excluding those containing polyatomic ions. This means be able to write the name of KCl, but not KNO3.)
4. Be able to state how many atoms of each type of element are found in a compound when give the formula of that compound.
5. Be able to explain why there need to be the same number of atoms of each type of element on each side of a balanced chemical equation.