Bauck's CHEMISTRY Ch. 10 Test Review

This is a 10/10 optional assignment due the day of the test.

Materials:	loose leaf paper, pen and/or pencil, calculator (You will be given a periodic table.)	
	(Tou will be given a periodic table.)	
Test date:		
Test value:	200 points	
Format:	math problems, writing/balancing equations: three-step DA, limiting reactant question with 4 parts, long % yield, short % yield, chemical equations to write/complete/balance	

BACKGROUND INFO:

- 1) What is the numerical value for Avogadro's number?
- 2) How do you know when to use Avogadro's number in calculations?
- 3) List the four types of **representative particles**. Give an example of each.
- 4) What is the molar volume of a gas at STP? What is the number of liters used?
- 5) Why is "molar mass" the same as grams per mole, GFM and GMM?

MATH PROBLEMS: Include one example of each numbered category for this review.

		* .
6)	Mole-mole	$mol A \rightarrow mol B$
7)	Mole-mass	mol A → g B
	or Mass-mole	g A → mol B
8)	Mole-particle	mol A → r.p. B
	or Particle-mole	r.p. A \rightarrow mol B
9)	Mole-volume	mol A → L B
	or Volume-mole	$L A \rightarrow mol B$
10)	Mass-mass	g A → g B
11)	Volume-volume	$L A \rightarrow L B$
12)	Particle-particle	r.p. A → r.p. B
13)	Mass-Particle	g A → r.p. B
	or Particle-Mass	r.p. A→ g B
14)	Volume-Particle	$L A \rightarrow r.p. B$
	or Particle-Volume	r.p. A \rightarrow L B
15)	Mass-Volume	$g A \rightarrow L B$
	or Volume-Mass	$L A \rightarrow g B$
		÷

16) There are chemical reactions on the test: There will be equations to balance. Some have to be constructed from words, without products given. Some will be given to you already balanced.

For this review, give an example of a balanced equation, a skeleton (unbalanced) equation, and an equation in words which you construct and balance.

*** Note ***

There will be at least one question pertaining to material in past chapter(s) or unit(s).