

Stoichiometry Cramsheet

1. What is atomic mass, what are its units and what is it based on?
2. Know how to calculate average atomic mass.
3. What is Avogadro's number? What is it also known as?
4. What is molar mass? What are its units?
5. Know how to write (from word equations) and balance chemical equations.
6. What is the mole to mole ratio and how do you find out what it is for a particular problem?
7. In class stuff:
 - Mass spec. and atomic masses
 - How to balance combustion reactions
 - When in doubt, use redox. (same atom in two species)
 - % composition
 - empirical and molecular formula
 - limiting reactant/theoretical yield
 - experimental (actual) yield and percent yield
8. Complete the following problems on a separate sheet of paper:
p. 70 #2, 3, 9, 14, 16ab, 19ab, p.71 #22b, 23b, 25ab, 33, 34, 37a, 38b, p. 72 #47, 48, 49ab, 50ab, 51ab, 52ab, 54, 57, 62, 68, 70