

Chemistry 11 – Unit 7—Stoichiometry  
Unit Outline

<b>Topic</b>	<b>Activity</b>
Definition of Stoichiometry	Brief class introduction to Stoichiometry. See p. 121 SW.
Coefficients and Moles	Class explanation of coefficients, molecules and mole ratios. See p. 123-124 in SW.  Do Ex. 1 (a-d), 2 (a-d), & 3 on p. 124 SW.
Moles $\rightleftharpoons$ Mass and Mass $\rightleftharpoons$ Mass Problems	Class examples of problems with moles $\rightleftharpoons$ mass and mass $\rightleftharpoons$ mass conversions. See p. 125-126 in SW.  Do Ex. 6 (a-b) and 7(a-b) on p. 127 of SW.  Do Experiment 6A—Mass and Moles in a Chemical Reaction
Volume $\rightleftharpoons$ Mass and Volume $\rightleftharpoons$ Volume Calculations	Class examples of problems with moles $\rightleftharpoons$ volume, mass $\rightleftharpoons$ volume and volume $\rightleftharpoons$ volume calculations. See p. 125-126 of SW.  Do Ex. 6 (c-d) and 7 (c-f) on p. 127 of SW.
Calculations Involving Molecules, Moles, Mass & Volume	Class examples of calculations involving conversions to/from molecules to/from mass, moles or volume. See example “e” on p. 126 of SW.  Do Ex. 8 (a-d), 9 (a-c) and 10 on p. 127 of SW.  Do Hand-In Assignment # 10—Stoichiometry Problems
Stoichiometry Involving Molarity	Class Review of Molarity Calculations. Class examples of Stoichiometry Problems involving Molarity. See p. 129-131 in SW.  Do Ex. 17-20 on p. 131 of SW.  Do Experiment 20-C Acid-Base Titration
Stoichiometry of Excess Quantities	Class Explanation of Finding Excess Reactant and Limiting Reactant and Masses of Products Produced.  Do Ex. 26-28 on p. 133 of SW.

<b>Topic</b>	<b>Activity</b>
Percentage Yield Problems	<p>Class Explanation of Finding Percentage Yield. See SW. p. 134-137</p> <p>Do Ex. 33 c and 36 a-c on p. 137 of SW</p> <p>Do Hand-In Assignment # 11—Molarity, Excess and Percentage Yield Problems.</p>
Summary and Test	<p>Class Review of Unit 7—Stoichiometry</p> <p>Test on Unit 7</p>