

**AP Chem  
Unit II Topics**

I. Solutions	pgs 127-140
A. Strong, weak and nonelectrolytes	<b>p 172 #23,24,29,30</b>
B. Dilutions	<b>Memorize Solubility</b>
<b>Rules</b>	<b>Table 4.1 p 144</b>
II. Classes of Chemical Reactions	pgs 96-102; 140-146; 149-151
A. General Inorganic Reactions	<b>p 173 # 37,39,47,49,55-</b>
<b>59,60,65,66,</b>	
1. Predicting products	
2. Balancing equations	
B. Oxidation-Reduction Reactions	pgs 154-168
1. Definitions	
2. Recognizing redox reactions	<b>p 174 #73-76, 112, 115</b>
3. Predicting products	
4. Balancing equations - acidic, basic solutions	
III. Stoichiometry	pgs 102-113; 147-148
A. Calculations Using Equations	<b>p 120 #99, 101</b>
1. Mass-mass; mass-volume; volume-volume	<b>p 176 #99, 101, 103</b>
2. Excess-limiting reagents	
3. Percent yield	
B. Solutions and Stoichiometry	
1. Using molarities of reactants, products	
2. Neutralization	
IV. Titrations	pgs 151-154
	<b>p 174 #65,66</b>
	<b>Supplementary HW</b>
	<b>Topic III #5</b>

(updated to Zumdahl 7<sup>th</sup> ed.)