

AP CHEMISTRY CHAPTER 16 & 17 SCHEDULE

Day	Activity/Discussion	Assign	BI	EU	LO
97	Go Over Chapter 15 Test	Read Pg. 655-658			
	Bronsted- Lowry Acids and Bases	Ex. 16.12, 15, 17, 22, 26			
	Acid Base Strength				
98	Auto Ionization of Water	Read Pg. 658-666			
	pH Scale	Ex. 16.27, 28, 31, 34, 36, 38, 41			
	Strong Acid and Base	43, 47, 48			
99	Weak Acid	Read Pg. 666-675			
	PolyProtic Acids	Ex. 16.3, 4, 5, 6, 51, 54, 56, 62, 67			
	Ka Calculations	Pre Lab: Determination of Ka			
100	Lab: Determination of Ka for Weak Acids	Lab Report Due Day 105			
101	Weak Bases	Read 676-681			
	Kb Calculations	Ex. 16.7, 16.69, 72, 73, 76, 78, 79			
	Relationship between Ka and Kb	82,			
102	Activity: Hydrolysis of various Salts	Reaction of Salts Ex. 16.83, 86			
103	Acid Base Quiz: Ka/Kb, pH calculations	Read Pg. 685-693			
	Lewis Acid Base Definitions	Ex. 16.8, 9, 88, 90, 92, 93, 97			
	Acid Base Behavior and Structure				
104	Review Chapter 16	Optional Ex. 103, 111, 114			
		Student Guide Practice Tests			
105	Test Chapter 16	Read Pg. 703-707			
		Ex. 17.1, 2, 3, 4, 5, 13			
106	Go Over Test	Read Pg. 707-714			
	Discuss Common Ion Effect	Ex.17.14, 17, 18, 19, 22, 25, 29			
	Properties of a Buffered Solution	Pre Lab: Preparation of Buffer			
107	Lab: Preparation of Buffered Solutions	Lab: Report Due Day 112			
108	Acid Base Titrations	Read Pg. 714-722			
	PolyProtic Acid Titrations	Ex. 17.5, 6, 7, 33, 34, 35, 36, 38, 41, 42			
	Choosing Indicators for Titrations	Pre Lab: Acid Base Titrations			
109	Lab: Acid Base Titrations	Lab Report: Due Day 114			
110	Solubility Equilibria	Read Pg. 722-733			
	Factors that affect Solubility	Ex. 17.8, 9, 10, 50, 52, 54, 55, 59			
	Qsp	61, 65			
111	Precipitation and Separation of Ions	Read Pg. 734-739			
		Ex. 17.67, 69, 71			
112	Lab: Separation and Qualitative	Lab Report: Due Day 117			
	Determination of Cations and Anions				
113	Quiz: Equilibrium Concepts	Finish Up on Ex. And Labs			
	Review Chapter 17				
114	Review Chapter 17	Optional Ex. 17.75, 85, 90, 95			
		Practice Test in Student Guide			
115	TEST CHAPTER 17	Read: Pg. 785-790			
		Ex. 19.1, 19.2, 19.11, 19.12			