

# AP Chemistry

## Acids and Bases Assignment Sheet

Date	In Class	Assignment
11/16	<i>LeChatelier's Principle minilab due</i> K <sub>sp</sub> problems	Listen to webcast on <a href="#">K<sub>sp</sub> problems</a> Work on science fair initial bibliography
11/19 half day	POGIL: Common Ion Effect on Solubility	<a href="#">Common ion effect webcast</a>
11/20 half day		<b>Vacation Assignment:</b> <ul style="list-style-type: none"> <li>• Reading assignment on alloys and semiconductors</li> <li>• AP Classroom assignment</li> <li>• Finish science fair initial bibliography</li> </ul>
11/26	<i>SciFair Initial Bibliography due</i> K <sub>sp</sub> minilab Finish K <sub>sp</sub> precipitation problems	Watch the <a href="#">pH problems webcast</a> Read/highlight chapter 16 outline
11/27	Review conjugate pairs & pH calculations 3 acid-base theories	Finish K <sub>sp</sub> minilab <a href="#">K<sub>sp</sub> practice problems</a> to study for quiz
11/28 half day	<i>K<sub>sp</sub> minilab due</i> K <sub>sp</sub> Quiz	Textbook problems 16.1, 16.2, 16.15, 16.17 Watch <a href="#">weak acid equilibrium problems webcast</a>
11/29 Long A	POGIL: Acid-base strength & dissociation constants	Go to <a href="#">Online HW site #33</a> : and complete 5 problems (Note: it doesn't report sig figs correctly...use the # presented in the original problem); upload receipt in Google Classroom
11/30	Organic Friday: Ketones Weak acid equilibrium problems (ICE)	Work on CALM problem set AP Classroom assignment #1 due 12/5
12/3	POGIL: Acid-base properties of salts/K <sub>a</sub> , K <sub>b</sub> & K <sub>w</sub>	Take notes for webcast on <a href="#">pK<sub>a</sub> interpretation</a>
12/4	Chapter 16 Problem set Ch. 16 MCQ practice	
12/5	Chapter 16 Quiz Introduction to Buffers	Text problems 17.1-17.6, 17.8 CALM ((due 12/18 at 9 pm)
12/6	Buffer problems Chapter 17 problem set	Watch webcast on <a href="#">Factors affecting acid strength</a>
12/7 Long G	Organic Friday: Amines Titration Problems	
12/10 Long A	Titrations Problems & Titration Curves	Study for quiz on titrations
12/11 Long B	Quiz—Titrations Chapter 16/17 problem set	CALM problem set (due 12/18 at 9 pm) AP Classroom Assignment #2
12/12 HD	Acid-base properties of salts	Prelab assignment for Acid Base Titrations
12/13	Titration Lab Day 1	CALM problem set (due 12/18 at 9 pm)
12/14	Titration Lab Day 2	Acids/bases summary card
12/17	POGIL: Factors Affecting Acid Strength	AP Classroom Assignment before class on 12/18
12/18	Wrapup/review	Study for acids/bases test
12/19	Acids and Bases Test	Work on acid-base titration formal lab report
12/20	Complex ion lab?	
12/21 ER	<i>Titrations lab due</i> <i>Collect final lab data</i> Chemistry Caroling	Vacation work: Read/highlight chapter 19 outline Reading guide for solutions process and metallic bonding Finish Acid-base titration formal lab report

Additional useful resources from the online HW site: (will show answers, but not complete solutions after 3 attempts)

[pH, pOH problems](#)

[pH of acid/base solutions](#)

[acid base titrations](#)

[composition of buffers](#)

[properties of buffers](#)