

AP Chemistry

Acids and Bases Assignment Sheet

Date	In Class	Assignment
11/15	Organic Friday: Aldehydes <i>LeChatelier's Principle minilab due</i> K _{sp} problems	Listen to webcast on K_{sp} problems Work on science fair Common ion effect webcast
11/18	POGIL: Common Ion Effect on Solubility	
11/19	Lab #7: K _{sp} minilab Finish K _{sp} precipitation problems	K_{sp} practice problems to study for quiz Work on K _{sp} minilab
11/20	K _{sp} Quiz 3 acid-base theories	Watch the pH problems webcast Read/highlight chapter 16 outline
11/21 Long F	Review conjugate pairs & pH calculations	Go to Online HW site #33 : Complete 5 problems & upload receipt in Google Classroom Finish K _{sp} minilab
11/22	<i>K_{sp} minilab due</i> POGIL: Acid-base strength & dissociation constants	Textbook problems 16.1, 16.2, 16.15, 16.17 Watch weak acid equilibrium problems webcast
11/25 Half day	Weak acid equilibrium problems (ICE)	Work on CALM problem set Take notes for webcast on pKa interpretation
11/26 Half day		Vacation work In AP Classroom: MCQ for PPC5 Work on science fair
12/2	POGIL: Acid-base properties of salts/K _a , K _b & K _w	AP Classroom assignment #1 due 12/3
12/3	Chapter 16 Problem set Ch. 16 MCQ practice	Study for quiz
12/4 Half day	Chapter 16 Quiz Introduction to Buffers	Read/highlight chapter 17 outline Text problems 17.1-17.6, 17.8 CALM problem set (due 12/16 at 9 pm)
12/5 Long F	Buffer problems Chapter 16/17 problem set	
12/6	Organic Friday: Ketones Titration Problems	Work on science fair Work on CALM problem set
12/9 Long A	Titrations Problems & Titration Curves	Watch webcast on Factors affecting acid strength
12/10	Acid-base properties of salts v2	Study for quiz on titrations
12/11	Quiz—Titrations Chapter 16/17 problem set	CALM problem set (due 12/16 at 9 pm) Acids/bases summary card
12/12	POGIL: Factors Affecting Acid Strength	Prelab assignment for Acid Base Titrations
12/13	Lab #8/9: Titration Lab Day 1 Standardization of NaOH	Work on science fair Finish CALM problem set (due 12/16 at 9 pm)
12/16 Long F	Lab #8/9: Titration Lab Day 2 Weak acid titration and K _a determination	AP Classroom Assignment #2 before class on 12/17
12/17	Wrapup/review	Study for acids/bases test
12/18 Long A	Acids and Bases Test	Work on acid-base titration formal lab report Wrap up science fair PR #1
12/19	Lab 10: Percent Calcium Carbonate in Eggshells	
12/20	Chemistry Caroling Finish Lab #10 minilab writeup in class <i>Science fair PR #1 due</i>	Vacation work: Read/highlight chapter 19 outline Work on science fair 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](#)