

Assignment #	Corresponding lectures & topics discussed	Discussion sections where discussed	Text book problems	ACS guide problems
10	Nov 4 & 6 Le Chatelier's principle Arrhenius acid-base model Bronsted-Lowry acid-base model Acid-base ionization and equilibrium pH calculations	Thurs Nov 13** Tues Nov 18**	Read text sections: 16.1-9 Ch. 16: 5, 21, 25, 29, 33, 37, 39, 41 & 45 (do as a pair and compare), 43 & 53 (same thing), 55, 57, 66, 75, 85	p. 73 #EQ-10 p. 77 #19, 20, 26 p. 78 #27, 28
Continue with #10	No lectures this week. Nov 11 is a holiday (no school) Nov 13: Re-do of Part 2 on Exam 2 during class.	Thurs Nov 20** Tues Nov 25**	Continue going over Assignment 10	
11	Nov 18 & 20 Titration, buffers & common ion effect Solubility equilibrium	Tues Dec 2 Thurs Dec 4	Read text sections: 17.1-3, sections 17.4 and 17.5 only qualitatively Ch. 17: 1, 5, 6, 31, 33, 35, 37 (add: "and would the equivalence point for each be at, above or below pH 7?"), 61, 65, 87	p. 71 #EQ-8 p. 77 #22, 23, 24, 25
12	Nov 25 Redox reactions and electrochemistry Galvanic (voltaic) cells, electrolysis Dec 2: Exam 3 in class Dec 4 Introduction to thermodynamics Enthalpy, entropy and spontaneity	Tues Dec 9 Thurs Dec 11	Read text sections: 20.1-4, Ch. 20: 1, 9, 11, 13, 17, 19, 23, 27, 29, 31, 33, 35, 39, 43, 85	p. 79 #ER-1 p. 80 #ER-3 p. 81 #ER-5 p. 85 #1, 2, 3, 4, 5, 6, 7, 8 and 9
Exam 3 is moved to Tuesday, December 2. Exam 3 will cover Chapters 15, 16 and 17. It will include material on Assignments 8, 9, 10 and 11.				
13	Dec 9 & 11 Free energy and equilibrium Review semester and go over Assignment #13	in lecture	Read text sections: 19.1-7 and 20.5-6 Ch. 20: 47, 49, 55, 57, 59 Ch. 19: 7, 13, 21, 35, 37, 39, 41, 49, 51, 53, 59, 65, 73, 75	p. 45 #EN-5 p. 47 #EN-7 and 8 p. 48 #EN-9 and 10 pp. 51-53: 17, 19, 20-30

** Note that due to the Veteran's Day holiday, the schedule of when homeworks get discussed at discussion sections is shifted to Thursday-Tuesday for two weeks, until the Thanksgiving holiday shifts the schedule back to a Tuesday-Thursday mode.