

AP Chemistry

Equilibrium Assignment Sheet

This is one of the most challenging units in this course. The key to success is ongoing practice and problem solving. Accordingly, assigned text problems may be checked at any time. Be prepared to share solutions during class!

Date	In Class	Assignment
10/31	POGIL: Dynamic Equilibrium & LeChatelier's Principle	Finish kinetics minilab Work on science fair initial proposals
11/1	POGIL: Writing K_{eq} expressions and interpreting K_{eq} values K_c vs. K_p expressions	Complete text problems 15.1-15.3, 15.5-15.9, 15.35 Work on science fair initial proposals
11/2	Manipulating K_{eq} expressions	Complete problems 15.37, 15.38 Complete science fair final proposal
11/3 Long F	*Science fair initial proposals due* (submit in google classroom) POGIL: Reaction Quotient	Listen to webcast on Calculating Equilibrium Concentrations Work on CALM
11/6	Calculating Equilibrium Concentrations (ICE)	Complete text problems 15.4, 15.23, 15.24 Pre-lab for guided inquiry lab Work on revised proposals
11/8	Guided inquiry lab: LeChatelier's Principle	Work on CALM problem set Study for quiz
11/9	Quiz: K_{eq}/Q vs K Converting between K_p and K_c	Work on CALM Complete revised proposals
11/13	Science fair revised proposals due Chapter 15 Problem Set	Work on LeChatelier's Principle Minilab Work on science fair project
11/14	Chapter 15 Problem Set	Finish CALM problem set by 9 pm on 11/14 Complete problems 15.43, 15.68, 15.71
11/15	Chapter 15 wrapup/review Bring review books to class!	STUDY for chapter 15 test
11/16	Chapter 15 test	Finish LeChatelier's Principle Minilab
11/17 long B	K_{sp} problems	Work on science fair initial bibliography Listen to webcast on Ksp Problems
11/20 half day	Common Ion Effect & Slightly Soluble Salts (POGIL)	Work on science fair initial bibliography VACATION WORK—Reading assignment on alloys and semiconductors
11/21 half day		
11/27	K_{sp} lab	Study for K_{sp} quiz Read/highlight Ch. 16 outline Complete text problems 17.47, 17.49
11/28	K_{sp} quiz 3 acid-base theories	Finish K_{sp} minilab Science fair initial bibliography due 12/1