

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.

| Date | In Class | Assignment |
|------------------|---|--|
| 10/28 | POGIL: Dynamic Equilibrium & LeChatelier's Principle | Read/highlight chapter 15 outline Work on science fair initial bibliography |
| 10/29 | 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 bibliography |
| 10/30 Long F | Manipulating K_{eq} expressions | |
| 10/31 ER | Chapter 15 problem set | Pre-lab for guided inquiry lab Work on science fair initial bibliography |
| 11/1 Long A | Lab #6: LeChatelier's Principle (Guided Inquiry Lab #2) | Listen to webcast on Calculating Equilibrium Concentrations |
| 11/4 | POGIL: Reaction Quotient | Work on CALM Finish science fair initial bibliography |
| 11/6 | *Science Fair initial bibliography due* Calculating Equilibrium Concentrations (ICE) | Work on CALM problem set Work on LeChatelier's Principle Minilab |
| 11/7 Dr V out | AP Classroom assignment | |
| 11/8 | Organic Friday: Ethers Chapter 15 Problem Set Converting between K_p and K_c | Study for quiz Work on CALM problem set |
| 11/12 Long F | Quiz: K_{eq}/Q vs K , LeChatelier's Principle Chapter 15 Problem Set | Finish CALM problem set by 2:20 pm on 11/13 Chapter 15 Summary card |
| 11/13 | Chapter 15 wrapup/review Bring review books to class! | STUDY for chapter 15 test |
| 11/14 Long A | Chapter 15 test | Finish LeChatelier's Principle Minilab |
| 11/15 | *LeChatelier's Principle Minilab due* Common Ion Effect & Slightly Soluble Salts (POGIL) | Chapter 16 outline Listen to webcast on Ksp Problems |
| 11/18 | K_{sp} problems | Finish problem set if not completed in class Do interactive practice for predicting ppt |
| 11/19 | Lab #7: K_{sp} lab | Study for K_{sp} quiz Do interactive practice for common ion effect |
| 11/20 | K_{sp} quiz 3 acid-base theories | Finish K_{sp} minilab (due 11/21) |

Reminder: Term 1 ends on Thursday, 10/31

Sciencegeek.net has a lot of useful [interactive practice for chemical equilibrium](#)—see the Chapter 13 activities on the site