

Chemistry CP

Name:

Homework: Equilibrium

Section:

Assignment	Due Date
1. Read through pp. 1-2 of http://www.bbc.co.uk/bitesize/higher/chemistry/reactions/equilibrium/revision/1/ At the end of p. 2, follow the "test bite" link...check your scores and print out your results	Thursday, 5/9
2. online HW site #74 (Calculating K_{eq}) 5 problems—print out receipt to hand in	Friday, 5/10
3. Online Homework Site #76, LeChatelier's Principle, 10 problems (print out receipt to hand in)	Monday, 5/13
4. Prelab sheet for <i>Investigating Chemical Equilibrium</i> : answer questions and prepare data table according to lab sheet	
5. Review sheet	Tuesday, 5/14
6. Study for test	Wednesday, 5/15
7. Group formal lab report: Investigating Chemical Equilibrium (Lechatelier's principle)	Friday, 5/17

Dates to remember:

FFF#17 Equilibrium: Wednesday, 5/15

Online Homework Site

<http://chemistry2.csudh.edu/homework/hwintro.html>

Useful Web Sites

<http://www.shodor.org/unchem/advanced/equ/>

<http://www.chemguide.co.uk/physical/equilibria/introduction.html#top>

<http://www.chemguide.co.uk/physical/equilibria/kc.html>

<http://hyperphysics.phy-astr.gsu.edu/Hbase/Chemical/chemequi.html>

<http://www.chm.davidson.edu/ronutt/che115/EquKin/EquKin.htm>

<http://library.thinkquest.org/10429/low/equil/equil.htm>

<http://www.chem1.com/acad/webtext/chemeq/Eq-01.html#CHANGE>

<http://www.chemguide.co.uk/physical/equilibria/lechatelier.html>

<http://www.usetute.com.au/lechatsp.html>

<http://www.mhhe.com/physsci/chemistry/essentialchemistry/flash/lechv17.swf>

<http://www.sciencegeek.net/Chemistry/taters/LeChatelier.htm>

After studying chapter 18-1 and 18-2, you should be able to:

- Discuss conditions under which reactions go to completion.
- Define chemical equilibrium.
- Explain the nature of the equilibrium constant.
- Write chemical equilibrium expressions and carry out calculations involving them.
- Discuss the factors that disturb equilibrium.
- Use LeChatelier's principle to predict how equilibrium system will respond when disturbed.
- Describe the common-ion effect.