

ADVANCED PLACEMENT CHEMISTRY

Chemical Equilibrium Lesson Plan

Grades 11 – 12

Steven L Colkmire
Pinellas Park High School

This is a nine or ten day lesson plan to teach the fundamentals of Chemical Equilibrium to an Advanced Placement Chemistry class. The textbook used for creation of much of this material is Chemistry (Fifth Edition) by Steven S and Susan A Zumdahl. This text is published by Houghton Mifflin Company and bears a copyright date of 2000.

Another text that was also used is Modern Chemistry (1999) published by Holt, Rinehart and Winston.

There are at least two labs that are included with this lesson. These were probably adapted from the same company as the Zumdahl book.

As you may know, there aren't strictly any Sunshine State Standards for many of the Advanced Placement courses, although there are Course Descriptions. This would follow the Course Requirement Number 8 that says, "After successfully completing this course, the student will describe chemical equilibrium qualitatively and quantitatively."

The first page of this document is what is titled a "Study Guide for Chapter 13." This has spaces for dates to be filled in by the students. This gives them little room for discussion about when something is due. This page contains the objectives that are covered by the chapter and from which the chapter test items are written. It also contains links to the two labs that are a part of this unit.

For some of these things to work properly, you will need Adobe Acrobat Reader and some other resources. Links to places on the web where these resources can be found will be placed where you need them.

If you find any of this useful in any way or if you have any suggestions, please don't hesitate to e-mail me at colkmires@pphs.pinellas.k12.fl.us.