

Department of Physical Sciences The City University of New York
General Chemistry 2: Schedule of Laboratory Experiments
Fall 2006 Room: S325

Laboratory Requirements

You must bring the following to each laboratory meeting:

1. **Safety glasses.** We cannot provide glasses for you. Safety glasses must have top and side splash guards.
2. **Laboratory experiment procedure.** These are available on this website. These can be printed from home or in computer labs. They cannot be printed using the printer in the chemistry labs.
3. **Scientific calculator.**

Meeting #	Experiment
1	Chemical Equilibrium and Le Chatelier's Principle
2 and 3	Qualitative Analysis: Group I Analysis
4 and 5	Qualitative Analysis: Group II Analysis
6	Radioactivity: The Effect of Distance and Absorbers*
6	Chromatography*
7	Kinetics: A Study of the Reaction Between Hydrogen Peroxide and the Iodide Ion*
8	Determination of the Acid Dissociation Constant of Bromocresol Green*
9	Titration Curves of Acids and Bases*
10	The Solubility Product
11	Electrochemistry: Standard Reduction Potentials and Concentration Cells*
12	Synthesis and Analysis of a Coordination Compound

*In these experiments we will use computers to graph and/or acquire data. All graphs must be prepared using one of the programs from Vernier, either Graphical Analysis or Logger Pro. Graphical Analysis is available on computers in the chemistry laboratory or on computers in the various computer labs in the college. Bring a 3½ inch PC-formatted diskette or USB flash drive to each of these meetings so you can save your data.

**General Chemistry II Laboratory Report
Fall 2006**

Name _____

Partner's Name (s) _____

Instructor's name _____

Date _____

Experiment Number _____

Title _____

Photocopy this coversheet and use a copy as the first page of each lab report.