

Suggested Readings for CHEM 1121 Laboratory Exercises

If you would like additional information about the laboratory exercises, refer to your textbook (Chemistry 9th ed; Chang; 2007) as noted below.

Experiment Title	Textbook pages
Paper Chromatography of Food Dyes and Colors	NA
Colorimetric Determination of Iron in Vitamin Tablets	NA
Colligative Properties – Freezing Point Depression	521 – 523 526 – 528
Synthesis of Aspirin and Wintergreen	684 – 685 1002 – 1025
The Iodine Clock: A Study in Kinetics	546 – 567
Determining the Equilibrium Constant for a Chemical Reaction	602 – 615
A pH Study of Acids, Salt Solutions, and Buffers	649 – 652 656 – 663 674 – 679 701 – 705
Solubility and Thermodynamics of Potassium Nitrate	718 – 725 796 – 807
Chemical Properties of the Alkaline Earths and Halogens	337 – 338 883 – 885 922 – 928
Electrochemical Half Cells and Reactions	823 – 830
Determining Equivalent Weight by Copper Electrolysis	848 – 854