

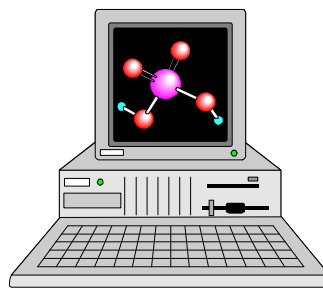
Illinois Central College

First Edition

# Chemistry 132-4

An Introduction to General Chemistry

## Laboratory Activities



### Table of Contents

---

#### Introduction:

[Preface to the Student](#)








[Laboratory Safety and Procedural Guidelines](#)

[The Laboratory Notebook](#)

[Significant Figures and Error Analysis](#)

---

#### Exercises:

1. [Reaction of Crystal Violet with Sodium Hydroxide: A Kinetic Study, Part I.](#) 
2. [Kinetics: Part II.](#) 
3. [Titration of Acids and Bases.](#) 
4. [Determination of  \$K\_a\$  for a Weak Acid.](#) 
5. [Solubility Product Constant.](#)
6. [Hess' Law: Calorimetry.](#) 
7. [Galvanic Cells and the Nernst Equation.](#) 
8. [Redox Titration.](#)
9. [Radioactivity.](#) 

---

#### Qualitative Analysis:

- [Group I Analysis.](#)
- [Group II Analysis.](#)
- [Group III Analysis.](#)
- [Group IV and V Analysis.](#)
- [Anion Analysis.](#)
- [General Qualitative Unknown.](#)