



THE OHIO STATE UNIVERSITY

# Chem 1250

## Chapter 3

Molecules, Moles and Equations

Lecture Handout 3

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### Chapter 3: Molecules, Moles and Equations

#### 3.2 – Chemical Formulas and Equations

Writing and Balancing Equations

#### 3.3 – Aqueous Solutions and Net Ionic Equations

Solutions, Solvents and Solute, Electrolytes, Solubility, Precipitation reactions, Net ionic equations, Acid-Base Reactions

#### 3.4 – Interpreting Equations and the Mole

Avogadro's Number, the Mole, Molar Mass

#### 3.5 – Calculations using Moles and Molar Mass

Elemental Analysis, Empirical formula, Molarity



Chapter 3 has three homework sets

- 1) Equations
- 2) Ions, electrolytes and net ionic equations
- 3) Mole, molar mass and molarity

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# Ohio State Chem 1250 Lab Manual

**Robert R. Redfield**

**Ohio State Chem 1250 Lab Manual:**

## **Ohio State Chem 1250 Lab Manual** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the power of words has been much more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such could be the essence of the book **Ohio State Chem 1250 Lab Manual**, a literary masterpiece that delves deep into the significance of words and their affect on our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book's key themes, examine its writing style, and analyze its overall affect on readers.

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