

CHAPTER OVERVIEW

3: Atomic Theory and Periodic Table

3.1: Introduction and Learning Objectives

3.2: Atoms and the Periodic Table

3.2.1: Basic Atomic Theory

3.2.2: Lecture 1 - Atomic Theory

3.2.3: Development of the Modern Periodic Table

3.2.4: The Structure of the Atom

3.2.5: PhET- Rutherford Scattering

3.2.6: Subatomic Particles - Electrons, Protons, and Neutrons

3.2.7: Atomic Mass and Atomic Number

3.2.8: Isotopes

3.2.9: The Importance of Ions to a Chemist

3.2.E: Atoms and the Periodic Table (Exercises)

3.3: Electronic Structure of Atoms (Electron Configurations)

3.4: Molecular Structure and Polarity

3.5: End of Chapter Activity

3.6: End of Chapter Key Terms

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