

## Introduction: Atomic Structure

**Unit:** Atomic Structure

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**Standards addressed in this chapter:**

**Massachusetts Curriculum Frameworks & Science Practices (2016):**

**HS-PS1-1:** Use the periodic table as a model to predict the relative properties of main group elements, including ionization energy and relative sizes of atoms and ions, based on the patterns of electrons in the outermost energy level of each element. Use the patterns of valence electron configurations, core charge, and Coulomb's law to explain and predict general trends in ionization energies, relative sizes of atoms and ions, and reactivity of pure elements.

Use this space for summary and/or additional notes: