

Chapter 2: Atoms, Ions, and the Periodic Table
Learning Objectives
Chemistry 11100 Fall 2012

Understand these concepts and master these skills

- Describe the nuclear model of the atom
- Identify the charge and location of a proton, electron, and neutron
- Define the term isotope and write isotopic symbols
- Determine the number of protons, electrons, and neutrons in an isotope
- Identify mass number and atomic number of an isotope
- Define the term ion, cation, and anion
- Write isotope symbols for ions
- Use the periodic table to find atomic numbers, atomic mass, determine ionic charge, identify type of material, identify state, etc.
- Predict the monatomic ion formed from a main group element and write the formula of the ion.