

## Reading Assignment - Chapter 1

Read any combination of the following sections so that you have read a total of 5 pages. When sections begin or end with less than half of a page, don't include that page, or add two half pages to make one whole page. Please choose sections which will help you to review, fill in gaps in your understanding, or increase your knowledge.

- 1-1 The Origins of Organic Chemistry (p 1)
- 1-2 Principles of Atomic Structure (p 3)
- 1-3 Bond Formation: The Octet Rule (p 6)
- 1-4 Lewis Structures (p 7)
- 1-5 Multiple Bonding (p 8)
- 1-6 Electronegativity and Bond Polarity (p 9)
- 1-7 Formal Charges (p 11)
- 1-8 Ionic Structures (p 12)
- 1-9 Resonance (p 13)
- 2-1 Wave Properties of Electrons in Orbitals (p 38)
- 2-2 Molecular Orbitals (p 40)
- 2-3 Pi Bonding (p 43)
- 2-4 Hybridization and Molecular Shapes (p 44)
- 2-6 General Rules of Hybridization and Geometry (p 47)
- 2-9 Polarity of Bonds and Molecules (p 57)