

## CHAPTER OVERVIEW

### 12: Lewis Structures and Bonding

- [12.10 Bond Lengths \(Video\)](#)
- [12.11 Bond Energies \(Video\)](#)
- [12.12 Estimating Enthalpy of Reaction from Bond Energies \(Video\)](#)
- [12.13 Shapes of Molecules \(Video\)](#)
- [12.14 Sample Molecular Shape Problems \(Video\)](#)
- [12.1 Electronegativity \(Video\)](#)
- [12.2 Types of Bonds \(Video\)](#)
- [12.3 Lewis Theory of Bonding \(Video\)](#)
- [12.4 Lewis Structures of Ionic Compounds \(Video\)](#)
- [12.5 Lewis Structure of Molecules \(Video\)](#)
- [12.6 General Rules for Writing Lewis Structures \(Video\)](#)
- [12.7 Lewis Structure of Charged Molecules \(Video\)](#)
- [12.8 Resonance Structures \(Video\)](#)
- [12.9 Expanded Valence Shell Bonding \(Video\)](#)

---

12: Lewis Structures and Bonding is shared under a [not declared](#) license and was authored, remixed, and/or curated by LibreTexts.