

## CHAPTER OVERVIEW

### Unit 2: Molecular Structure

#### 2.1: Chemical Bonding

##### 2.1.1: Types of Chemical Bonds

##### 2.1.2: Electronegativity and the Bonding Continuum

##### 2.1.3: Polarizability and Percent Ionic Character

#### 2.2: Lewis Structures and Molecular Shape

##### 2.2.1: Lewis Electron-Dot Diagrams

##### 2.2.2: Formal Charge

##### 2.2.3: Resonance

##### 2.2.4: Expanded Octets

##### 2.2.5: Limitation of Lewis Theory

##### 2.2.6: Valence Shell Electron-Pair Repulsion

##### 2.2.7: Lone Pair Repulsion

##### 2.2.8: Multiple Bonds

##### 2.2.9: Electronegativity and Atomic Size Effects

##### 2.2.10: Molecular Polarity

---

Unit 2: Molecular Structure is shared under a [not declared](#) license and was authored, remixed, and/or curated by LibreTexts.