

CHAPTER OVERVIEW

6: Quantum Mechanics and Molecular Structure

6.1: Quantum Picture of the Chemical Bond

6.2: De-localized Bonds: Molecular Orbital Theory and the Linear Combination of Atomic

6.3: Photoelectron Spectroscopy for Molecules

6.4: Localized Bonds: The Valence Bond Model

6.5: Comparison of Linear Combination of Atomic Orbitals and Valence Bond Methods

6: Quantum Mechanics and Molecular Structure is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by LibreTexts.