

2.1: Chemical Bonding

Learning objectives for this unit are to:

- Explain the thermodynamic driving force for the formation of chemical bonds
 - Compare and contrast ionic, covalent, and metallic bonds
 - Know that bonding is a continuum and explain or interpret information provided in a bonding triangle
 - Define electronegativity and identify regions of molecules with partial charge based on electronegativities
 - Define polarizability and relate polarizability to covalency
 - Define percent ionic character
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