

# UNIT SEVEN: COVALENT BONDING

Learning Targets	Textbook Section:
Identify the information a molecular formula provides.	8.1
Describe the representative units that define molecular compounds and ionic compounds.	8.1
Explain the result of electron sharing in covalent bonds.	8.2
Explain how the strength of a covalent bond is related to its bond dissociation energy.	8.2
Describe how the VESPR theory helps predict the shapes of molecules.	8.3
Describe how electronegativity values determine the charge distribution in a polar molecules.	8.4
Evaluate the strengths of intermolecular attractions compared with the strengths of ionic and covalent bonds.	8.4
Explain why the properties of covalent compounds are so diverse.	8.4

## Suggested Reading:

### Chapter 8 :

Section 8.1 (pages 222-225)

Section 8.2 (pages 226-238)

Section 8.3 (pages 240-246)

Section 8.4 (pages 247-253)

## End of Chapter Practice:

Chapter 8: 39, 40, 41, 42, 43, 45, 46, 47, 48, 49, 55, 57, 60, 64, 65, 66, 67, 68, 70, 74