

## CHAPTER 8

## STUDY GUIDE

## Covalent Bonding

## Section 8.1 The Covalent Bond

For your Facebook, read about the nature of computer frauds.

Use each of the terms below just once to complete the passage.

covalent bond molecule sigma bond exothermic pi bond

When sharing of electrons occurs, the attachment between atoms that results is called a(n) (1) \_\_\_\_\_ . When such an attachment is formed, bond dissociation energy is released, and the process is (2) \_\_\_\_\_. When two or more atoms bond by means of electron sharing, the resulting particle is called a(n) (3) \_\_\_\_\_. If the electrons shared are centered between the two atoms, the attachment is called a(n) (4) \_\_\_\_\_. If the sharing involves the overlap of parallel orbitals, the attachment is called a(n) (5) \_\_\_\_\_.

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Circle the letter of the choice that best completes the statement or answers the question.

# Covalent Bonding Study Guide For Chemistry

**Neil E. Schore**

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