

Chap 7 Appropriate Problems

7.2 Calculating the Degree of Unsaturation

Calculate degrees of unsaturation 7-1 through 7-3, 7-34, 7-35, 7-67

7.3 Naming Alkenes

Naming and drawing structures 7-4 through 7-7, 7-22, 7-37 through 7-44

7.4 Cis–Trans Isomerism in Alkenes

Naming and drawing cis/trans alkenes 7-8 through 7-10

7.5 Alkene Stereochemistry and the E,Z Designation

Assigning priorities 7-11 and 7-12

Determining configuration and drawing alkenes 7-13 and 7-14, 7-23, 7-45 through 7-47, 7-53, 7-63, 7-65

7.7 Electrophilic Addition Reactions of Alkenes

7.8 Orientation of Electrophilic Additions: Markovnikov's Rule (Regioselectivity)

Predict the outcome 7-16 and 7-17, 7-57 through 7-59

7.9 Carbocation Structure and Stability

Predict C⁺ 7-18 and Draw C⁺ 7-19, 7-25, 7-54, 7-56

7.10 The Hammond Postulate

Drawing a transition state 7-20, 7-55

7.11 Evidence for the Mechanism of Electrophilic Additions: Carbocation Rearrangements

Mechanism for 7-21, 7-26 through 7-33 7-28 and 7-29 (consider the resonance contributor of the intermediate), 7-60, 7-66, 7-70

Uncategorized

7-61, 7-68, 7-69