

Skills	Problems
Chapter 4	
Work with cyclic structures and nomenclature	1, 2, 25, 29, 30,
Draw cyclohexane perspectives, stable conformations	12, 13, 18, 32,37, 48
Know cis/trans isomerism in cycloalkanes	4, 5, 38
Chapter 5	
Identify chiral carbons	1, 2, 26, 30, 31, 32, 33, 34
Assign R or S	7, 8, 10, 12, 27, 39, 41, 42, 42, 46
Draw wedges/dashes and Fischer projections	(use the problems above)
Work with diastereomers	19, 20
Recognize meso compounds	16, 17, 18, 28, 35
Prochirality	22
Chapter 6	
Identify addition, substitution, elimination rxns	1, 20
Work with free-radical rxns	2, 26, 27, 28
Know polarity, nucleophiles, electrophiles	4, 16, 19
Mechanism of electrophilic addition to alkenes	6, 14, 15

Use curved arrows

8, 29, 30, 36, 38

Draw energy diagrams

17, 18