

## Assigned Problems

**Text:** Wade, *Organic Chemistry*, 5th edition.

<u>Chapter</u>	<u>Topics</u>	<u>Problems</u>
14	Ethers, Epoxides and Sulfides.	4, 10, 14, 16, 17, 19, 21, 25, 27, 35, 37. Additional Problem Sets #1 and #2.
15	Conjugated Systems and Ultraviolet Spectroscopy.	2, 5, 6, 8, 9, 13, 14, 15, 16, 23a-t, 30, 33, 38.
16	Aromatic Compounds.	7a-c, 12a-d, 27, 33, 38, 45.
17	Reactions of Aromatic Compounds.	1, 6, 14, 23, 24, 28, 32, 36, 37, 50, 51, 61.
18	Ketones and Aldehydes.	2, 6, 10, 12, 14, 17, 22, 25, 44, 69, 72, 75. Additional Problem Set #3.
20	Carboxylic Acids.	3, 4, 7, 8, 13, 15, 16, 18, 24, 33, 36, 39, 41.
21	Carboxylic Acid Derivatives.	2, 4, 5b, 6, 12, 14, 20, 26, 35, 39, 44, 45, 46, 50a-j.
22	$\alpha,\beta$ -Unsaturated Carbonyl Compounds. Carbonyl $\alpha$ -Substitution Reactions. Carbonyl Condensation Reactions.	3, 10, 11, 13, 15, 17, 22, 25, 33, 36, 39, 45, 47, 51, 56, 57, 59, 79, 80. Additional Problem Sets #4 and #5.
26	Synthetic Polymers.	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 21, 24, 27.
23	Carbohydrates.	5, 14, 16, 17, 18, 19, 24, 26, 40, 44, 53.
19	Amines.	4, 7, 8, 17, 20, 26, 29, 42, 46a, 58.
24	Amino Acids, Peptides and Proteins.	1, 2, 3, 4, 11, 13, 20, 26, 29, 31, 32.
25	Lipids.	1, 2, 11, 12, 13, 14, 15, 18, 22, 27, 29.

The Additional Problem Sets are available at the Chemistry 334 Web site: <http://www.csun.edu/~hcchm007/chem334.html>

New or modified problems from Wade, *Organic Chemistry*, 6th edition:

14: 48.

18: 29, 46, 59.

26: 35, 36, 38.

16: 42.

20: 47.

17: 1.

25: 31, 33.