

Assigned Problems

Text: Wade, Organic Chemistry, 3rd edition.

Topics

Alkynes.

Conjugated Systems, Orbital Symmetry and UV Spectroscopy.

Aromatic Compounds.

Reactions of Aromatic Compounds.

Ketones and Aldehydes.

Carboxylic Acids.

Carboxylic Acid Derivatives.

Additions and Condensations of Enols and Enolate Ions.

Synthetic Polymers.

Carbohydrates and Nucleic Acids.

Amines.

Amino Acids, Peptides and Proteins.

Lipids.

Problems

14: 2, 4, 6, 8, 9, 12, 20, 21, 26, 32,
34a - f, i, j, l, m, 37, 38, 41, 45.

Additional Problem Set #1.

15: 1, 2, 4, 6a - c, 7, 8, 12, 13, 14, 17,
21, 22, 28, 29, 32.

16: 6, 7, 12, 16, 20, 36, 41, 43.

17: 1, 5, 6, 14, 18, 20, 21, 32, 33, 36, 37,
48a - c, e - h, 59.

18: 2, 4, 6, 10, 16, 22, 27, 30, 32, 37, 38,
45, 51, 52, 58.

22: 36, 37, 84.

Additional Problem Set #2.

20: 3, 4, 7, 8, 10, 11b - d, 15, 17, 25,
33a - f, 39, 43.

21: 2, 4, 5b, 7, 12, 19, 23, 25, 34, 38, 42,
43, 45, 49a - j, 60.

22: 3, 5, 12, 14, 16, 21, 23, 24, 31, 40,
43, 49, 51, 58, 59, 69, 77, 79, 81.

Additional Problem Set #3.

Additional Problem Set #4.

26: 1, 2, 3, 5, 8, 10, 13, 21, 24, 27.

23: 5, 7, 13, 15, 18, 23, 25, 26, 39, 44,
50, 51, 62.

19: 3a - e, 6, 9, 22, 28, 33, 35, 46, 47,
48a - d, 50a, 59.

24: 1, 2, 3, 6, 10, 12, 19, 25, 30, 31, 47.

25: 1, 2, 11, 12, 13, 16, 20, 26.

The Additional Problem Sets are available at the Chemistry 334 web site.