

## Assigned Problems

**Text:** Wade, *Organic Chemistry*, 9th edition.

<u>Chapter</u>	<u>Topics</u>	<u>Problems</u>
1	Structure and Bonding.	1, 3–9, 11–13, 17, 19, 21, 27, 29, 41, 45.
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3	Structure and Stereochemistry of Alkanes.	3–5, 12, 13, 17, 19–24, 27–30, 40, 44, 46, 49, 51, 52.
4	The Study of Chemical Reactions.	3, 7–9, 16, 21, 23, 25, 35–37, 40, 49, 51, 55.
5	Stereochemistry.	1–6, 11, 12, 16, 18, 20, 21, 23, 25, 27–30, 33, 34, 36.
6	Alkyl Halides: Nucleophilic Substitution.	3, 11, 14, 16, 17, 19, 22, 23, 26, 29, 42, 45, 49, 52.
7	Structure and Synthesis of Alkenes: Elimination.	1, 2, 5a, b–d, 8a–g, 13, 17–19, 22, 24, 26, 30a, b, 33, 34, 37, 39a, b, c, d, 53, 60–64, 69, 75.
8	Reactions of Alkenes.	1, 5, 7, 13, 15, 18, 19, 23, 26, 27, 29, 30, 35, 36, 46a–c, d, e–h, i, j–l, m, n, 51, 56a–f, g, 64, 67, 70, 71.
9	Alkynes.	5, 7, 8, 12, 13, 20, 25, 32, 37a–d, g–k.
10	Structure and Synthesis of Alcohols.	1a–d, e, f, 11–14, 18a, b, 19, 21–25, 36, 39.
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12	Infrared Spectroscopy and Mass Spectrometry.	2–6, 7, 8, 9, 11, 12, 15, 16, 20, 21, 25, 28, 30.
13	Nuclear Magnetic Resonance Spectroscopy.	1–3, 6, 7, 9, 11, 12, 13, 16, 18–20, 24a–c, 26–29, 30, 31, 34, 40, 49, 51, 54, 56.