This general organic Textmap by John D. Roberts and Marjorie C. Caserio emphasizes thermochemistry to aid the undergraduate’s understanding of organic reactions

- Front Matter

- 1: Introduction to Organic Chemistry

- 2: Structural Organic Chemistry

- 3: Organic Nomenclature
4: Alkanes

5: Stereoisomerism of Organic Molecules

6: Bonding in Organic Molecules

7: Other Compounds than Hydrocarbons
8: Nucleophilic Substitution and Elimination Reactions

\[ \text{Br}^\delta^- \xrightarrow{\text{attack}} \text{Br}^\delta^+ \]

\[ E = E_{-1/2} - E_{+1/2} \]

- 9: Separation, Purification, & Identification of Organic Compounds

- 10: Alkenes and Alkynes I - Ionic and Radical Addition Reactions

- 11: Alkenes and Alkynes II - Oxidation and Reduction Reactions. Acidity of Alkynes
12: Cycloalkanes, Cycloalkenes and Cycloalkynes

13: Polyfunctional Compounds, Alkadienes, and Approaches to Organic Synthesis

14: Organohalogen & Organometallic Compounds

15: Alcohols and Ethers
16: Carbonyl Compounds I- Aldehydes and Ketones. Addition Reactions of the Carbonyl Group

![Carbonyl Group](image1)

- 17: Carbonyl Compounds II- Enols and Enolate Anions. Unsaturated and Polycarbonyl Compounds

![Enol](image2)

- 18: Carboxylic Acids and Their Derivatives

![Carboxylic Acids](image3)

- 19: More on Stereochemistry
20: Carbohydrates

21: Resonance and Molecular Orbital Methods

22: Arenes, Electrophilic Aromatic Substitution

23: Organonitrogen Compounds I- Amines
24: Organonitrogen Compounds II- Amides, Nitriles, & Nitro Compounds

25: Amino Acids, Peptides, and Proteins

26: More on Aromatic Compounds

27: More about Spectroscopy
28: Photochemistry

29: Polymers

30: Natural Products and Biosynthesis

31: Transition Metal Organic Compounds
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