

# Allylic Rxns

## SN<sup>1</sup> (Hydrolysis)



Resonance Products (more stable predominates)

• If two allylic halides form the same carbocations, they will have the same products

## SN<sup>2</sup>

- No carbocation intermediate formed
- Steric and electronic factors make rxn faster than SN<sup>2</sup> rxn of alkyl halides

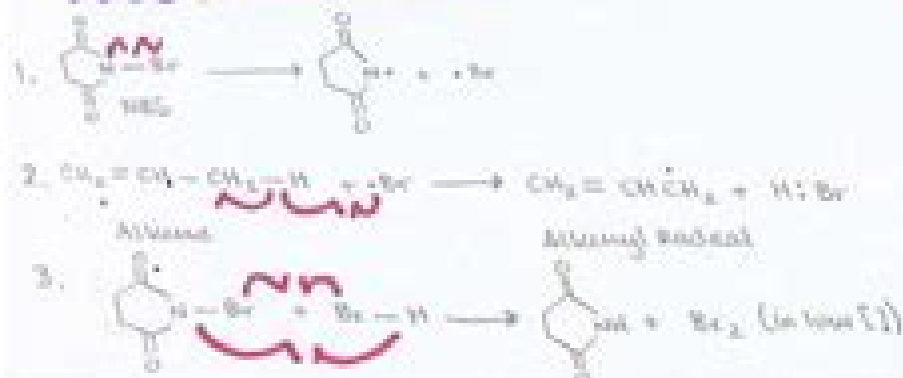
## Allylic Free Radicals

### - Halogenation



- Excess X<sub>2</sub> causes halogens to add across DB
- Allylic halogen substitution requires high Temp. and low [ ] of X<sub>2</sub> (usually generated by NBS mechanism)

## NBS Mechanism



5. Termination

# Organic Chemistry Hydrocarbons Study Guide Answers

**Arshad Iqbal**



## **Organic Chemistry Hydrocarbons Study Guide Answers:**

**Organic Chemistry, 5e Student Study Guide and Solutions Manual** David R. Klein, Laurie S. Starkey, 2025-03-18

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David R. Klein, 2017-01-04 This is the Student Study Guide and Solutions Manual to accompany Organic Chemistry 3e Organic Chemistry 3rd Edition is not merely a compilation of principles but rather it is a disciplined method of thought and analysis Success in organic chemistry requires mastery in two core aspects fundamental concepts and the skills needed to apply those concepts and solve problems Readers must learn to become proficient at approaching new situations methodically based on a repertoire of skills These skills are vital for successful problem solving in organic chemistry Existing textbooks provide extensive coverage of the principles but there is far less emphasis on the skills needed to actually solve problems

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and bonds as they read the text and make the logic of organic chemistry clear and easily understood Each chapter ends with a list of frequently asked questions and answers followed by additional practice problems Answers are included in the Appendix

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