

## Flashcards For Organic Chemistry Reactions PDF

Flashcards For Organic Chemistry Reactions PDF

*Disclaimer: The flashcards for organic chemistry reactions pdf was generated with the help of StudyBlaze AI. Please be aware that AI can make mistakes. Please consult your teacher if you're unsure about your solution or think there might have been a mistake. Or reach out directly to the StudyBlaze team at [max@studyblaze.io](mailto:max@studyblaze.io).*

What is the general reaction type for the conversion of an alkene to an alkane?

Hydrogenation.

What type of reaction involves the addition of a nucleophile to a carbonyl compound?

Nucleophilic addition.

What is the product of the reaction between an alcohol and a carboxylic acid?

An ester.

What type of reaction is characterized by the loss of a small molecule, such as water, during the formation of a larger molecule?

Condensation reaction.

What is the mechanism called when a halogen adds across a double bond?

Electrophilic addition.

What is the primary product of the oxidation of a primary alcohol?

An aldehyde.

What type of reaction occurs when an alkyl halide reacts with a strong base to form an alkene?

Elimination reaction.

What is the name of the reaction that converts an alkene to a diol using osmium tetroxide?

Syn-dihydroxylation.

What is the result of the reaction between an amine and a carbonyl compound?

An imine.

What type of reaction involves the transfer of electrons from one species to another?

Redox reaction.