

{youtube}Zw2froU3NF4{/youtube}

This video covers the most common types of reaction mechanisms that you will see in your organic chemistry course.

Here is a list of the different reaction types in this video:

1. Addition Reaction
2. Substitution Reaction
3. Elimination Reaction
4. Rearrangement Reaction

Electrophilic Addition Reaction - Alkene + HBr

Nucleophilic Addition Reaction - Conjugated Aldehyde + CN<sup>-</sup>

Elimination Reaction - E1 alkyl halide + Weak Base

E2 - Alkyl Halide + Strong Base

E1CB - B-hydroxy Ketone + Base (Poor Leaving Group)

Nucleophilic Substitution - SN1 Alkyl Halide + Weak Nucleophile

SN2 - Primary Alkyl Halide + Strong Nucleophile

Nucleophilic Substitution of a Vinyl Halide - Addition Elimination

Electrophilic Radical Substitution - Alkane + Br<sub>2</sub> (heat/light or NBS)

Electrophilic Aromatic Substitution - Benzene + Nitration

Nucleophilic Aromatic Substitution - Addition Elimination Via Meisenheimer Complex vs  
Elimination Addition Via Benzyne Intermediate.

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