

SN1

1. Proton Transfer
2. Carbocation Formation
3. Ion Attacks Carbocation

Favors 3rd and 2nd degree carbocations
Step 2 is RDS

SN2

Single Step:

- Cleavage of bond between C and leaving group
- Formation of bond between C and nucleophile

Favors methyl and 1st degree carbocations
Configuration is inverted

E1

1. Protonation of alcohol
2. Dissociation to carbocation and water
3. Deprotonation of cation

Favors 3rd degree carbocation
Often requires shifts
Dehydration of OH

E2

Single Step:

- Strong base takes proton
- Loss of halide

Can be used by any degree of alcohol w/
strong base
Favors third degree



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Not published yet.
Last updated 11th December, 2018.
Page 1 of 1.

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