

Summary of Substitution and Elimination Reactions

Halide Type	S_N1	S_N2	E1	E2
RCH_2X (primary)	Does Not Occur	Highly Favored	Does Not Occur	Occurs when strong, bulky bases are used. (t-butoxide)
R_2CHX (secondary)	Can occur with benzylic and allylic halides.	Occurs in competition with E2.	Can occur with benzylic and allylic halides.	Favored when strong bases are used.
R_3CX (tertiary)	Favored in polar protic solvents with non-basic nucleophiles.	Does Not Occur	Occurs in competition with S_N1 .	Favored when bases are used.