

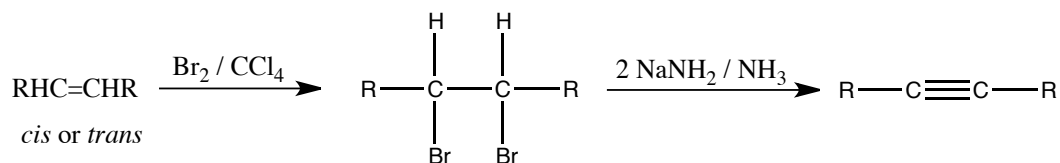
Chem 343 – Organic Reactions

Chapter 14

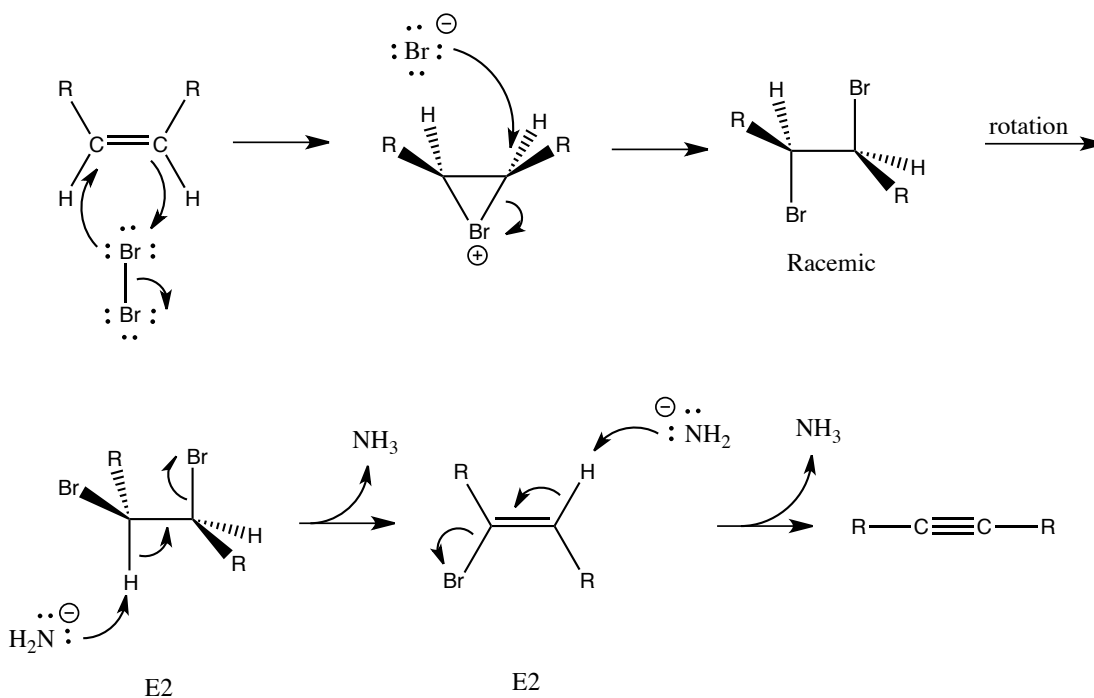
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<http://www.chem.wisc.edu/areas/clc> (Resource page)

Synthesis and Reactions of Alkynes #1: Synthesis of Alkynes



Mechanism



The synthesis of an alkyne from an alkene requires the production of a *vicinal* dibromide, which is then treated with 2 equivalent of sodium amide (NaNH₂); a very strong base. The alkyne product is formed by two successive E2 eliminations. The eliminations can be *syn* and/or *anti*.