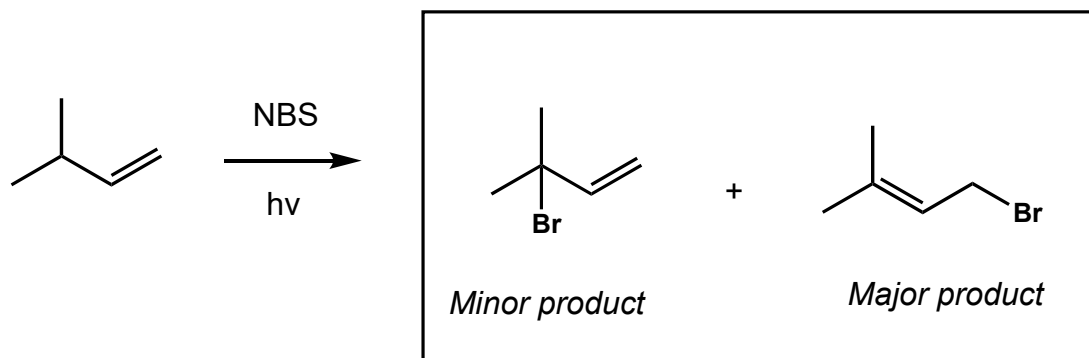
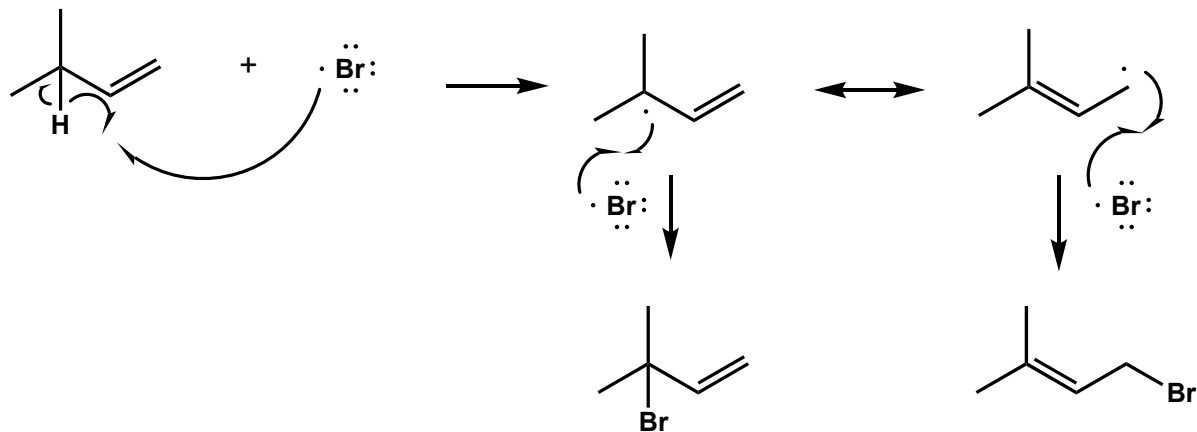
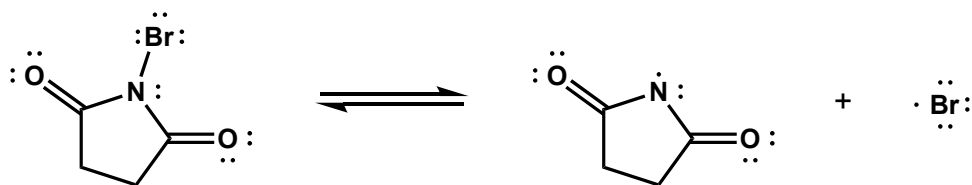


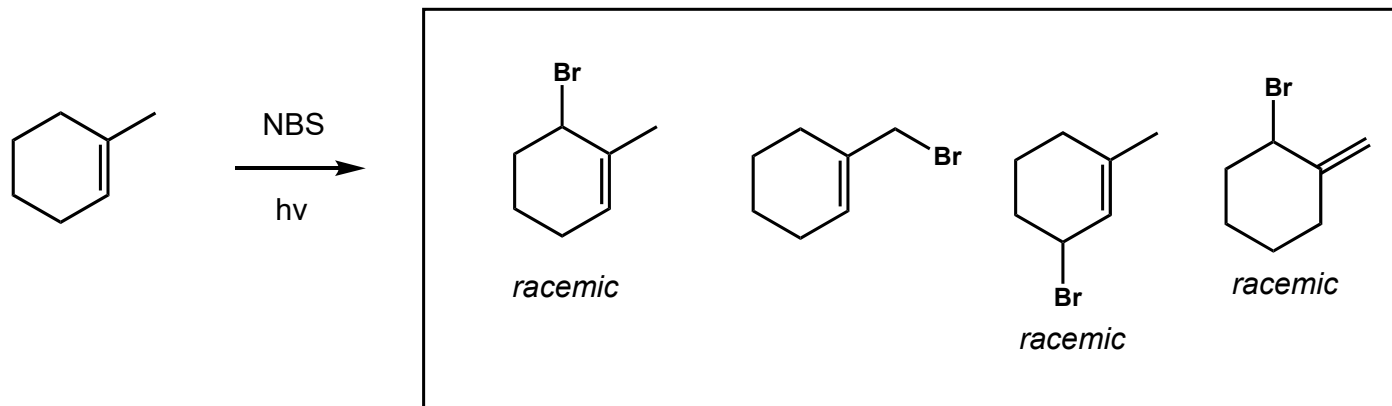
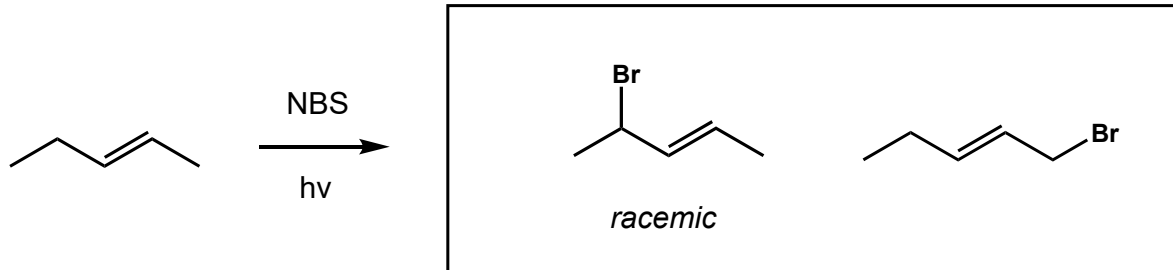
Allylic Radicals and Bromination

Consider the following reactions using NBS. Provide the products which you would expect. *Hint: remember resonance.*

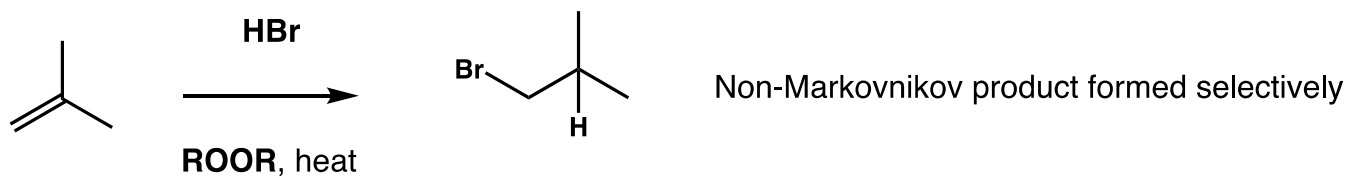
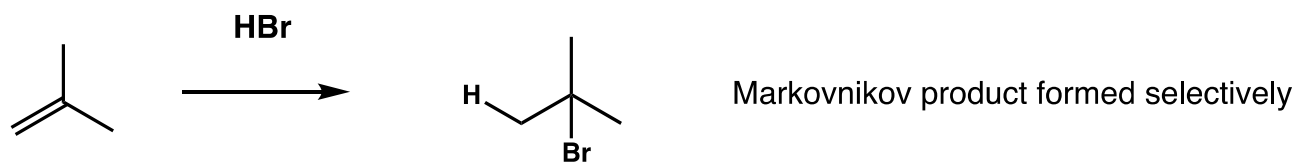


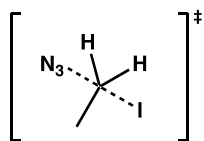
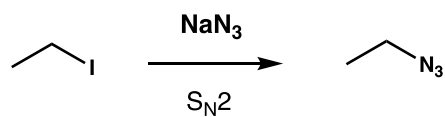
Mechanism



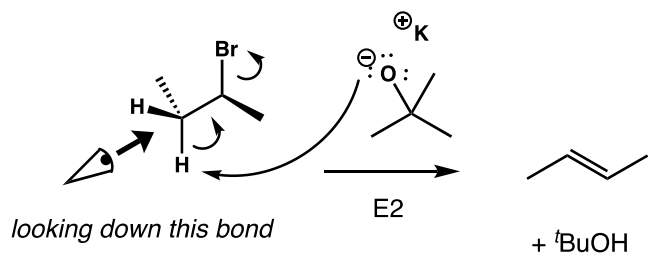
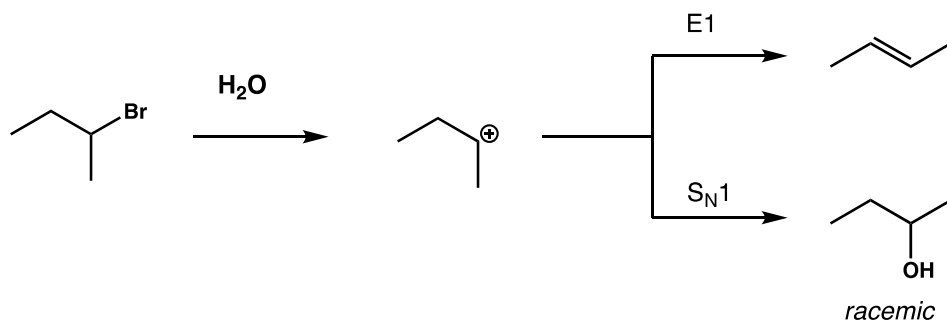
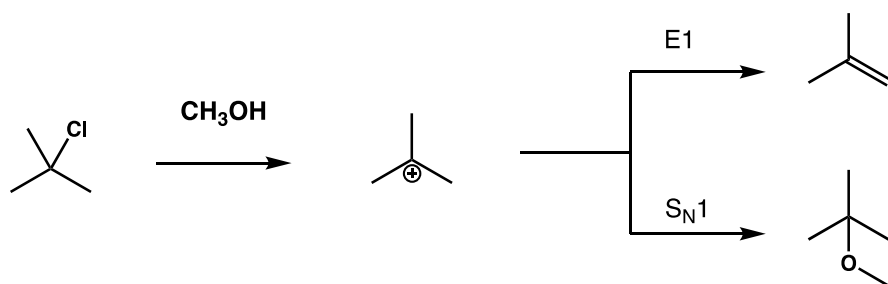


Markovnikov versus Non-Markovnikov Bromination of Alkenes

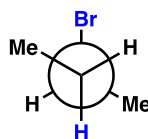


S_N1, S_N2, E1, and E2 Mechanisms

*"inversion" of carbon center
as nucleophile displaces leaving group*



looking down this bond

Newman Projection

H and **Br** must be anti-periplanar to eliminate.

Notice that the Me groups are anti to each other, leading to E-alkene formation.