

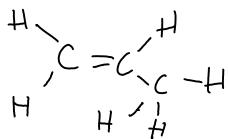
## Notes 3-13

Tuesday, March 13, 2007  
5:33 PM

Last Time: Halogenation

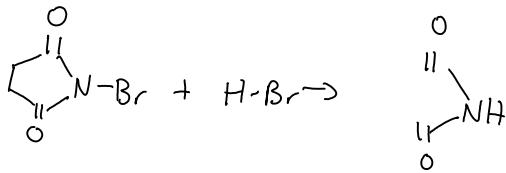
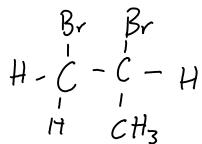
Today: Bromination using NBS (N-bromosuccinamide)

Worksheet

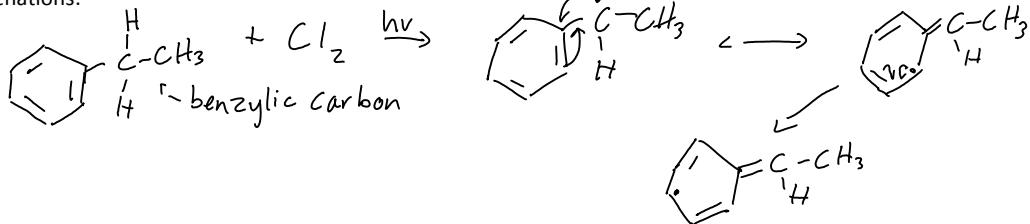


If you add too much bromine, you get addition across the double bond

This is addition across the double bond below:



Side chain halogenations:



More resonance stabilized than the allylic

Stability: Benzylic > allylic >  $3^0$  >  $2^0$  >  $1^0$  > vinylic