Great Idea ... $O\gamma$ Very Bad Idea?









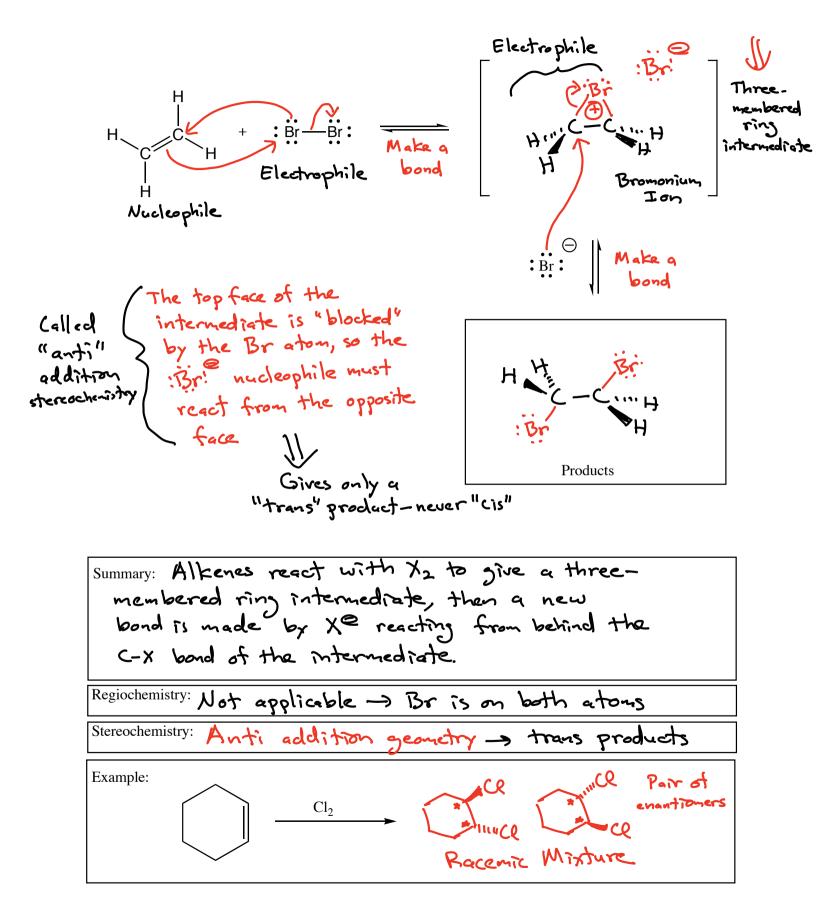


\$50⁹⁹ (\$3.40 / Count)

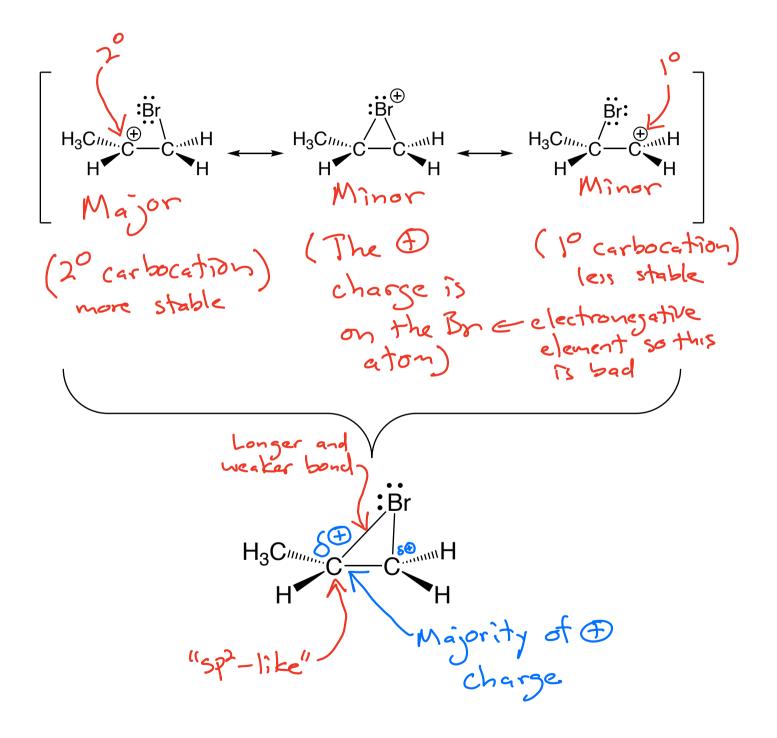
Get \$50 off instantly: Pay \$0.99 \$50.99 upon approval for the Amazon Rewards Visa Card. No annual fee.

Size: 28 Fl Oz (Pack of 15)

2 Set 28 Fl Oz (Pack of 15) 1 option from \$100.00		3 Set 28 Fl Oz (Pack of 15)
4 Set 28 Fl Oz (Pack of 15) 		28 Fl Oz (Pack of 15) \$50.99 (\$3.40 / Count)
Item Form	Liquid	
Flavor	Lime	
Package Information	Bottle	
Volume	28 Fluid Ounces	
Package Weight	425 Ounces	
ackage Weight		



How to think about unsymmetrical halonium ions

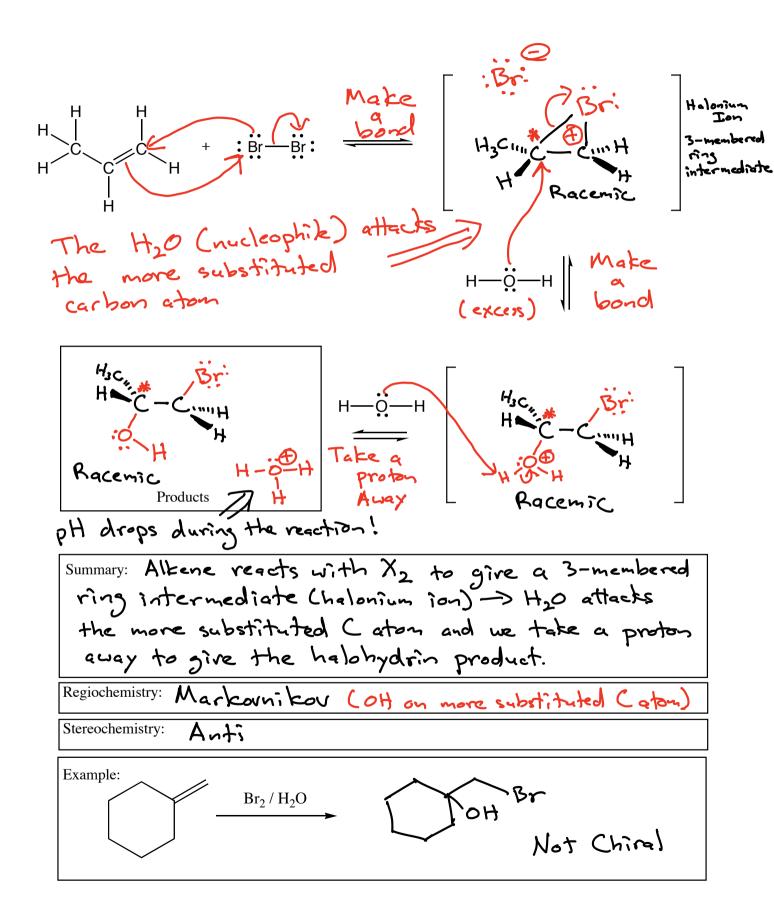


Complication -> Some intermediates and products are chiral

Solution -> Label all chiral centers in intermediates and products IN MECHANISM QUESTIONS with an asterisk (*) and No need to draw <u>all</u> of the stereoisomers) just one of them using wedges and dashes.

New overall reaction: Halobydrin Formation

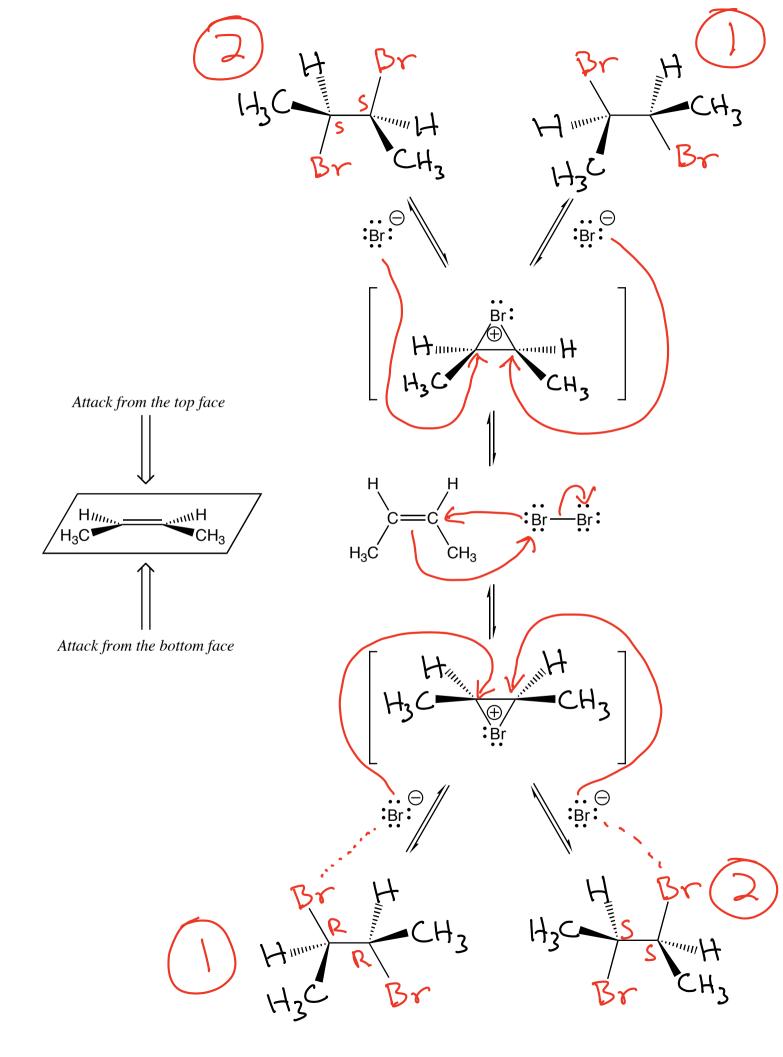
 $CH_2 = CH_2 \xrightarrow{Br_2} Ho Br$ H_2O Called a halohydrin

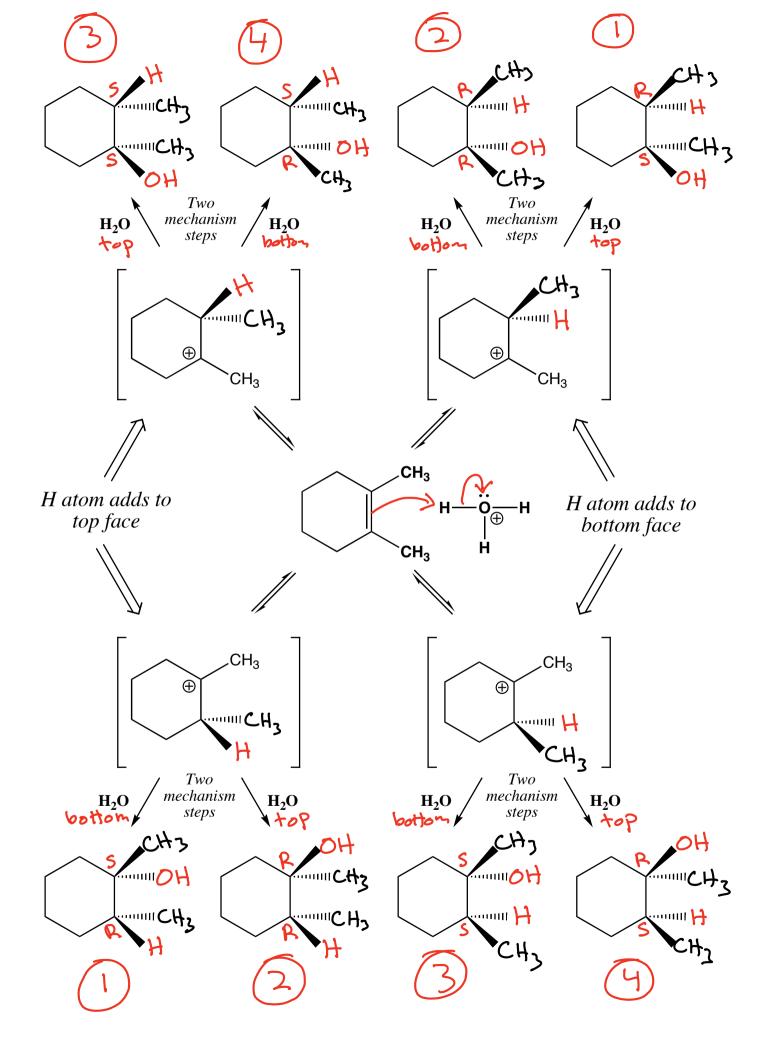


Only carbocations rearrange! Halonium jons (3-membered ring) DO NOT

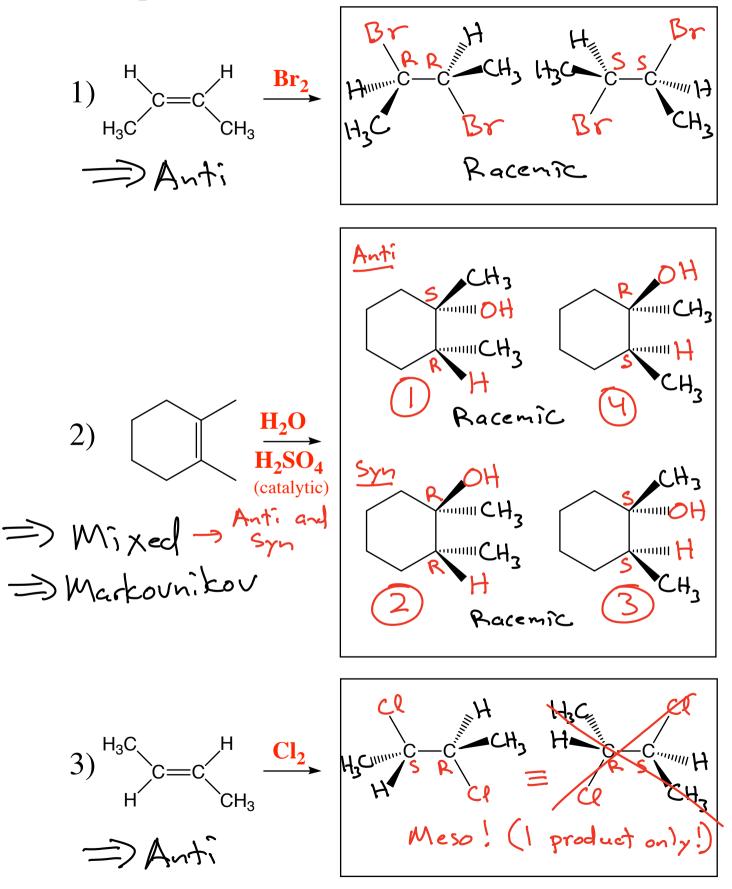


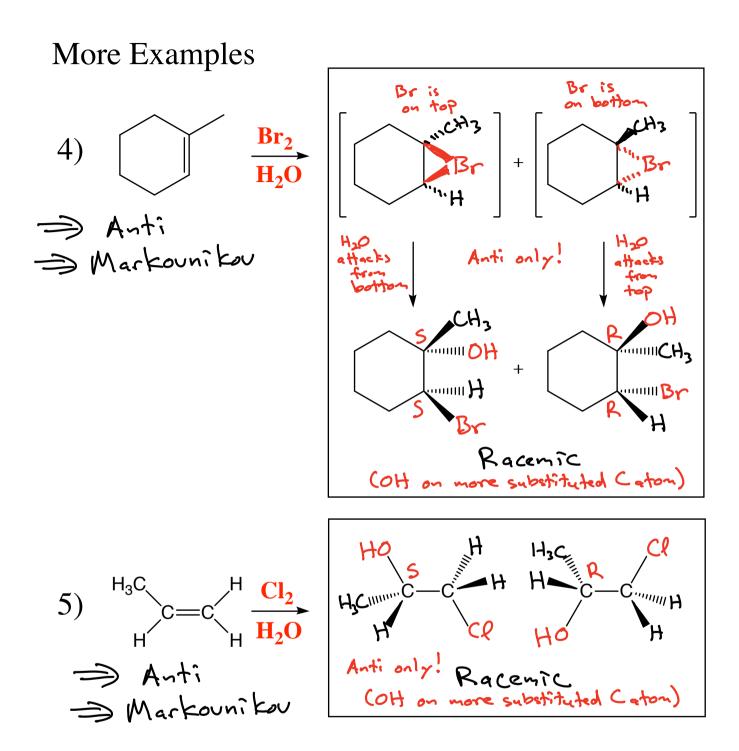
To get stereochemistry correct when predicting reaction products, you need to analyze each reaction on a case by case basis





Examples





Who do you call when you need help?

lurse

[nurs] noun

lifesaving superhero, patient, smile bringing, kind, lives to heal. Kind of a big deal.

nurse

[nərs] noun

the first person you see after saying, "hold my beer and watch this!"

When studying OChem -> Call a NIRRS Learn each of these things for every reaction -> then you will be able to predict mechanisms and therefore products

Nature of the reaction; what is the starting material/product? (i.e. alkene converted to an alcohol)

Intermediate (or "Important transition state" if applicable) of the reaction, the key to the mechanism (carbocation, halonium ion, etc.)

Reagents Learn the exact way to designate the reagents for each reaction

Regiochemistry What is the regiochemistry of addition? (Markovnikov, non-Markovinikov, etc.)

Stereochemistry of addition (anti, syn or mixed)

Alkene HX Haloalkane Carbocation Markovnikov Mixed