Acid-catalyzed Hydration of an Alkene



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Markovnikov's Rule > For alkene reactions involving a carbocation intermediate the nucleophile (or. :Br:) will make a bond to the nore substituted C atom -> derived from the more stable carbocation





Reaction Coordinate

Cation Rearrangement







How to think about unsymmetrical halonium ions

















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!"

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)

Hydroboration-Oxidation



