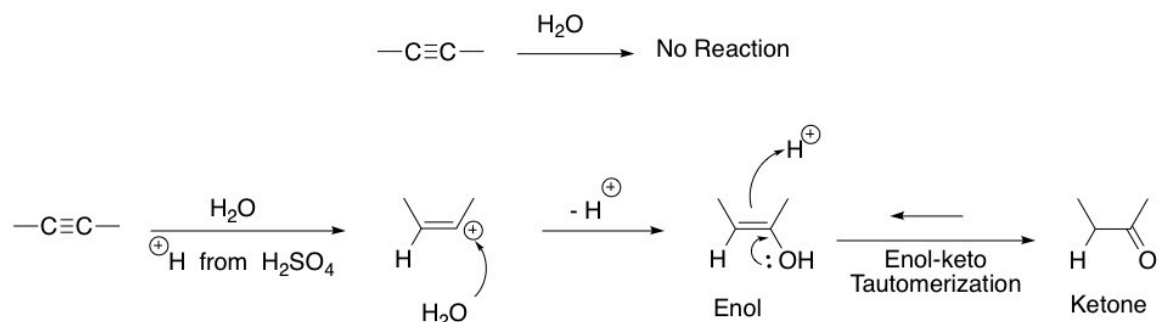
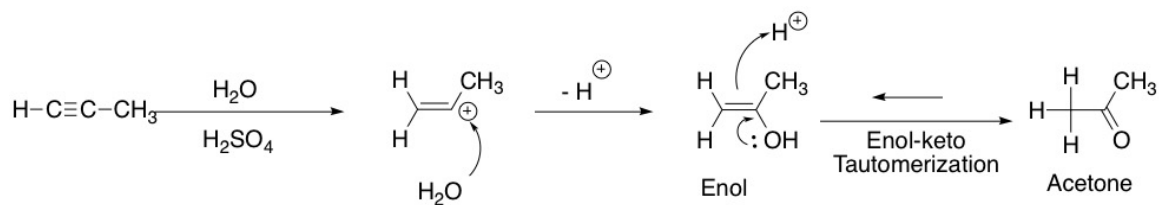
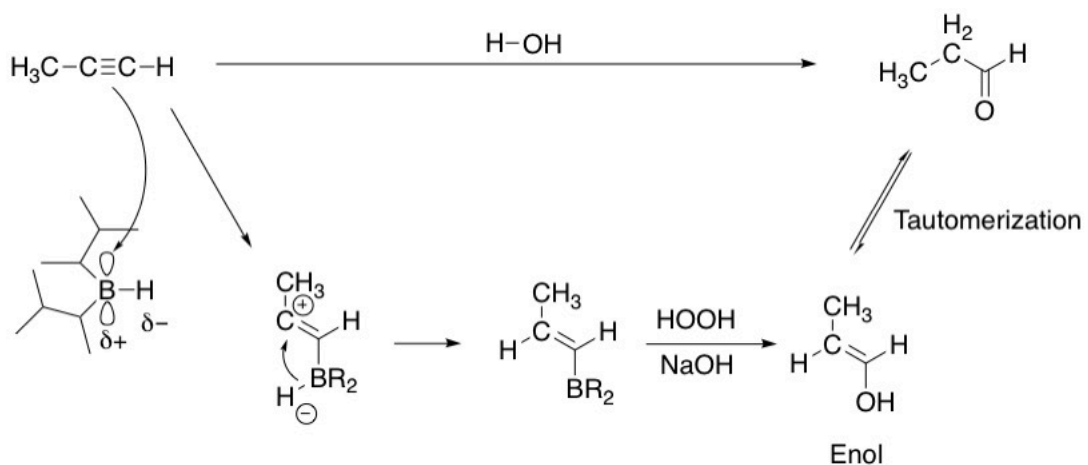


Addition reactions of Alkynes**Addition of H₂O**

Tautomers are rapidly interconverting structural isomers. In the above example, the ketone and enol are tautomers.

Example: 1-propyne

What if we want addition in anti-Markovnikov fashion?
Then we use a borane reagent!



Notice how in the above examples with 1-propyne, depending on which reagents are used one can carry out a Markovnikov addition leading to a ketone or an anti-Markovnikov addition leading to an aldehyde.