

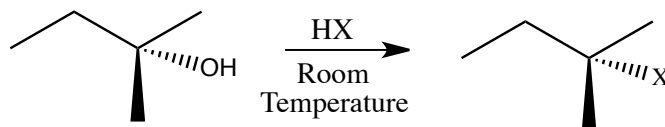
Chem 343 – Organic Reactions

Chapter 10

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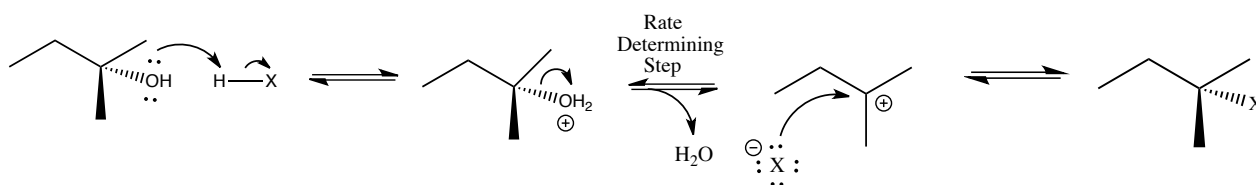
<http://www.chem.wisc.edu/areas/clc> (Resource page)

Alkyl Halides from Tertiary alcohols



X = Cl, Br, I

Mechanism



This reaction represents a classic S_N1 mechanism. There is always some alkene product from an E1 mechanism. Although the reaction is under equilibrium conditions either trapping the water formed, increasing the concentration of HX or removing the product as it forms will increase product yield.