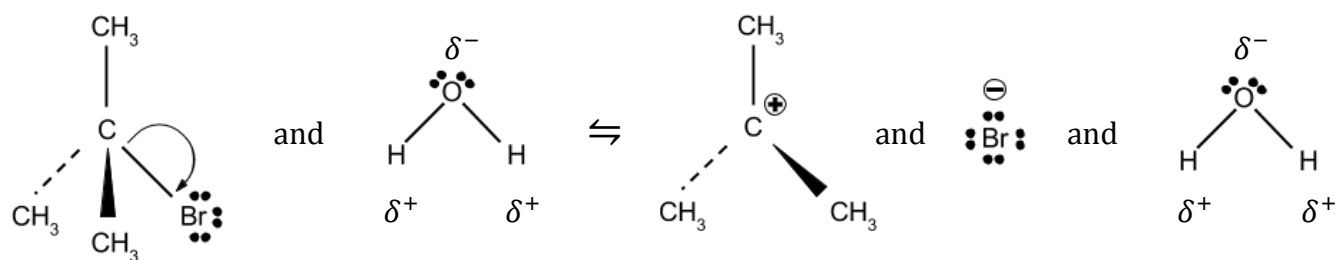
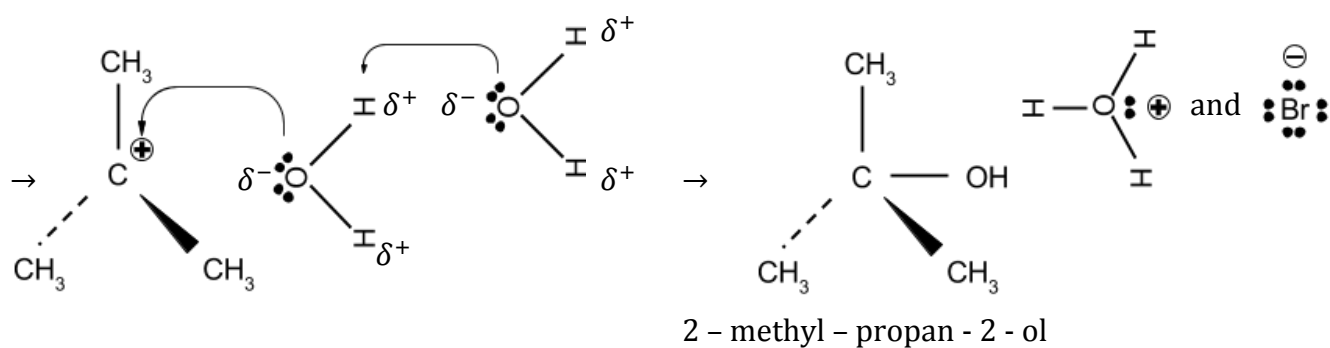


## S<sub>N</sub>1 Reactions



2 - bromo - 2 - methyl propane

H<sub>2</sub>O  
weak  
nucleophile



This is an S<sub>N</sub>1 Reaction due to the rate limiting step involving only one of the reactants. The rate limiting step is the first step in this mechanism where the Br takes one electron from the C. H<sub>2</sub>O is not involved in this step only the 2 bromo 2 methyl propane is involved.

When a constituent is OH the constituent is known as an alcohol and the molecule is named with the suffix ol.