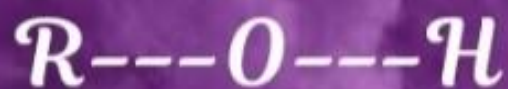


ALCOHOL



Alcohols are the compounds of the general formula $R-OH$, where R is an alkyl or a substituted alkyl group. Thus, alcohols are the derivatives of alkane in which one or H atom are replaced by $-OH$



Methods of Preparation



From Alkenes

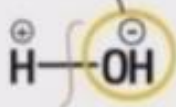
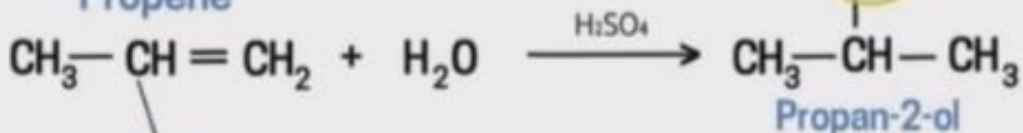
ALKENE \Rightarrow ALCOHOL

addition reaction



industrial method

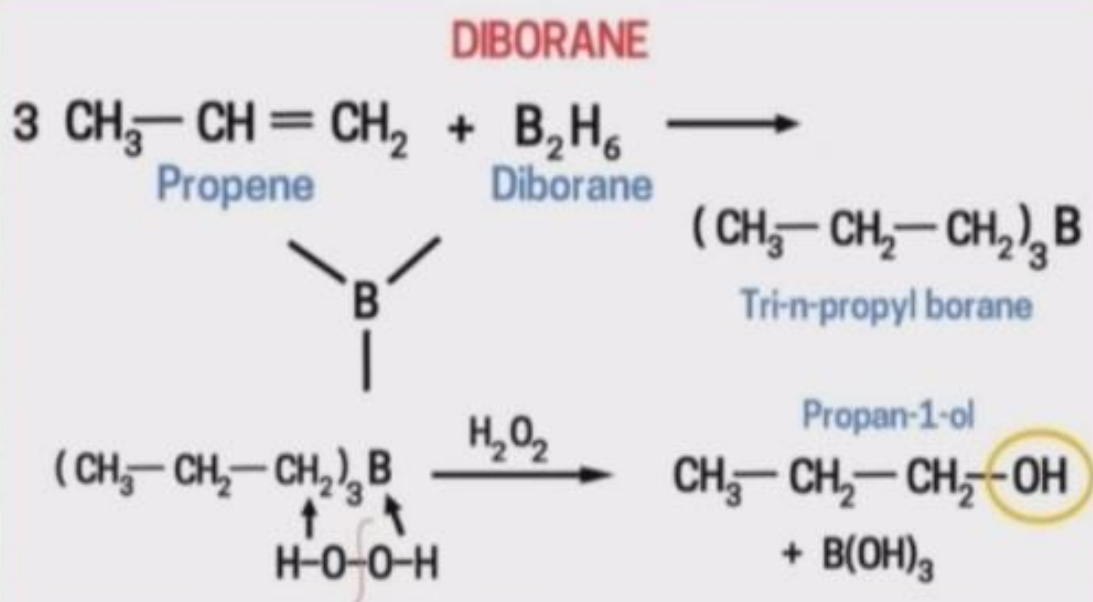
Propene



markownikoff rule

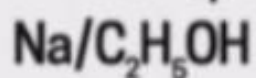
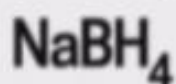
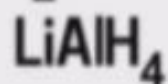
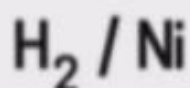
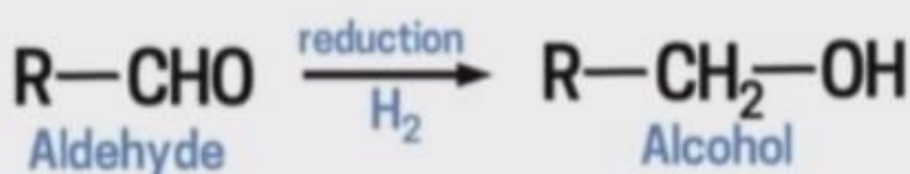


From Diborane



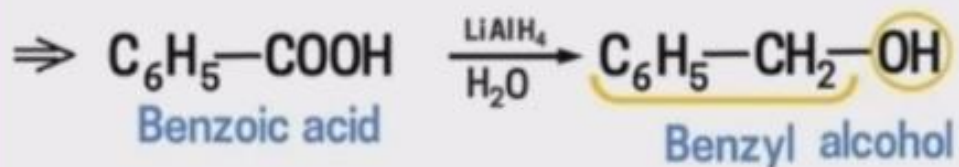
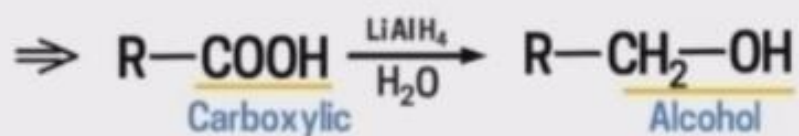
👉 Reduction of aldehyde & ketone

Reduction of Aldehyde & Ketone



👉 Reduction of carboxylic & ester

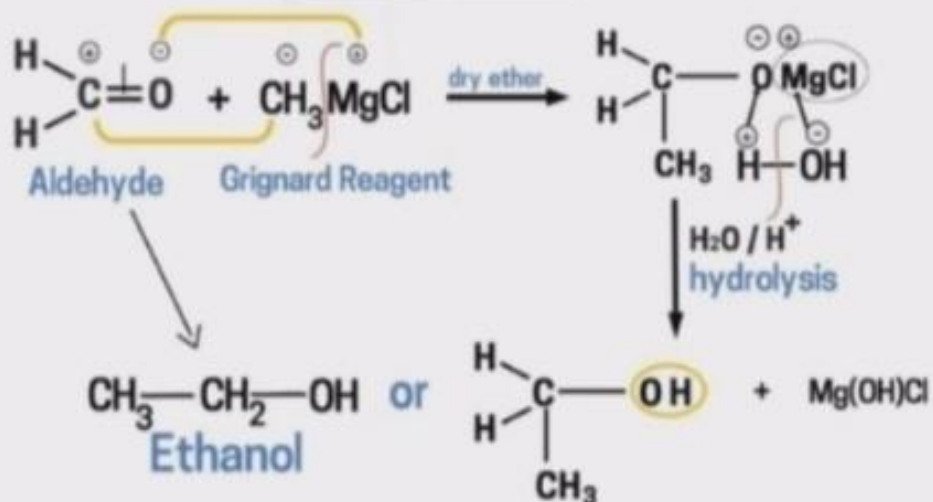
Reduction of Carboxylic & Ester



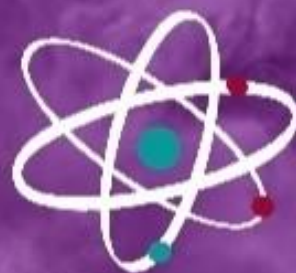


From grignard reagents

Grignard Reagent



Thank you



From : Chemistry Department

Dr Ramandeep Kaur