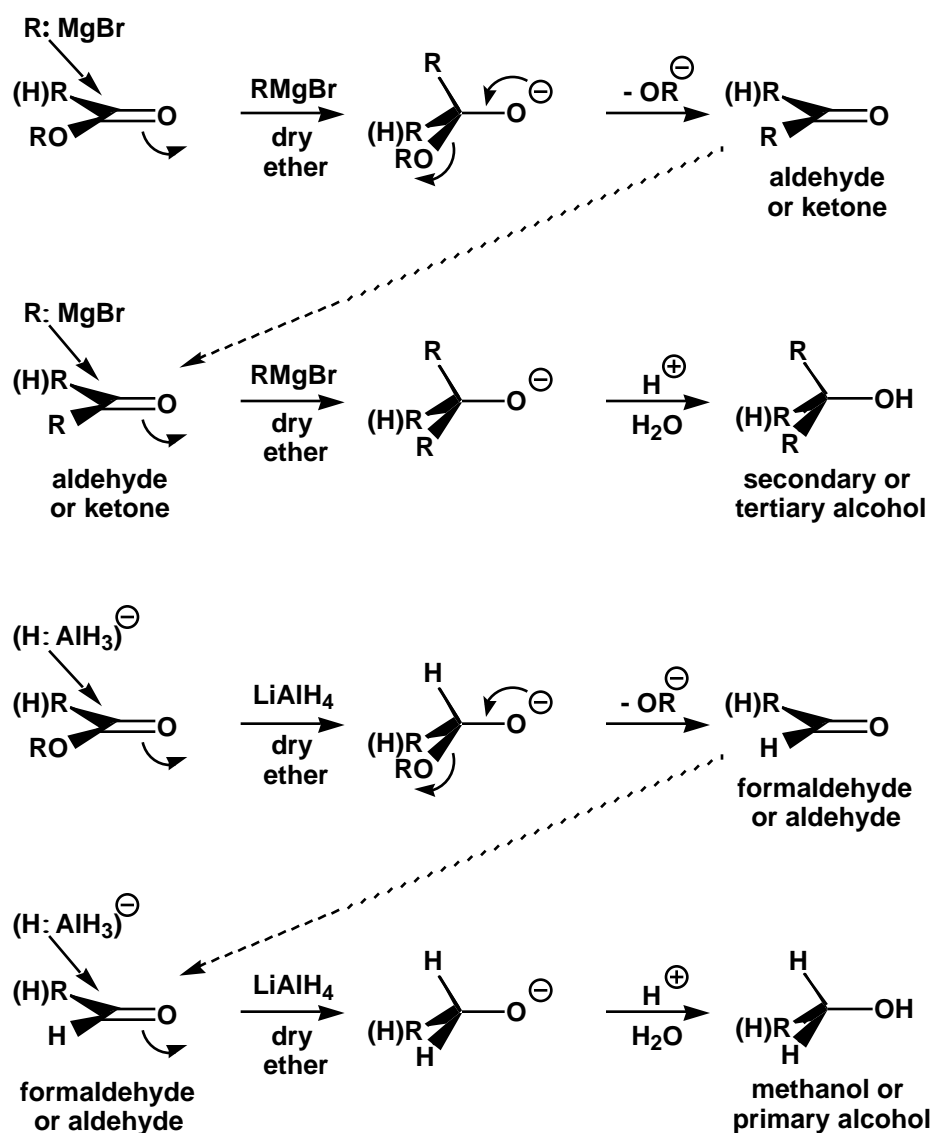


## Text Related to Segment 19.04 ©2002 Claude E. Wintner

Reactions of esters with Grignard or hydride reagents lead to intermediate aldehydes or ketones (or their equivalents), which then yield alcohols as a result of the further reaction of these intermediates, according to the pattern we have discussed already. Note that two equivalents of Grignard reagent or of hydride ion (for example, from  $\text{LiAlH}_4$ ) per mole of ester are consumed:



reaction of esters with Grignard or hydride reagents

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