Written by punjalak Friday, 16 September 2016 16:33 -

{youtube}X5I2vG576QA{/youtube}

This video discusses the reaction mechanism of grignard reagents with water - H2O, D2O, aldehyes including formaldehyde, ketones, esters, acid chlorides, epoxides - ethylene oxide, CO2, etc. This video contains examples and practice problems that not only help you to predict the major product of the reaction but also how to choose the right reagents to synthesize a primary, secondary, and tertiary alcohol. In addition, other reactions were included in this video such as oxidation by H2CrO4, PCC, KMnO4 & H3O+, in addition to Na2Cr2O7 with H2SO4. Reduction of an alkyne to a cis alkene using H2 & lindlar's catalyst and to a trans alkene using Na and NH3 were also considered. The conversion of an alcohol into an alkyl halide using SOCI2 and PBr3 were also mentioned. The reagents used in this video include phenyl magnesium bromide, methyl magnesium bromide, ethyl magnesium bromide, acetyl chloride, cyclopentyl magnesium bromide, acetaldehyde, 2-butanone, etc.

DDDDD : https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA

DDDDDDDDDDDDThe Organic Chemistry Tutor