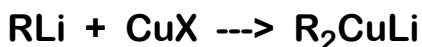


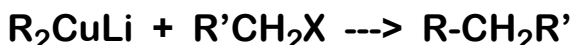
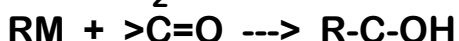
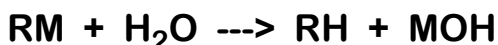
Chapters 14-16: A Quick Summary

Ch 14 - Organometallics

preparations



reactions



concepts

retrosynthetic analysis

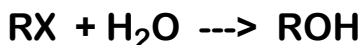
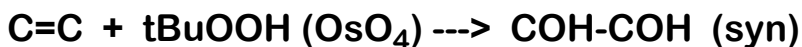
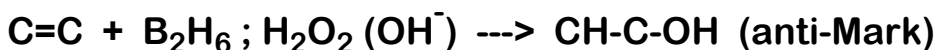
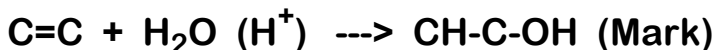
carbenes / carbenoids

transition metals / 18-electron rule

coordination polymerization

Ch 15 - Alcohols

preparations

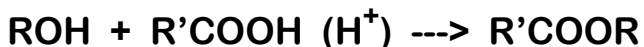
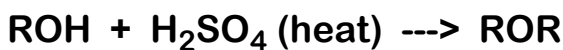


RM (see reactions above)

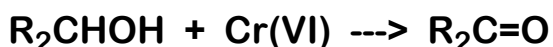
reductions:



reactions



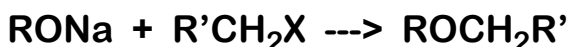
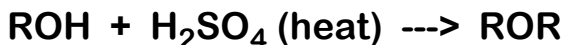
oxidations:



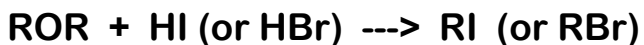
Ch 16 - Ethers

nomenclature

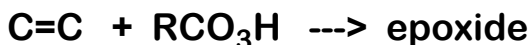
preparations



reactions



epoxide preparations



epoxide reactions - ring opening

direct attack by nucleophile (inversion at less-subst C)

acid-catalyzed nucleophilic add'n (inversion at more-subst C)

concepts

crown ethers / phase-transfer catalysis

sulfur functional groups

sulfur as a good nucleophile

oxidized forms of sulfur