Ether, Epoxide, Sulfide Reaction Review: Name the Reagents

Each reaction shows the starting material and the product. Write the reagents above the arrow.

Name: _____ Date: _____

Alkoxymercuration and Demercuration



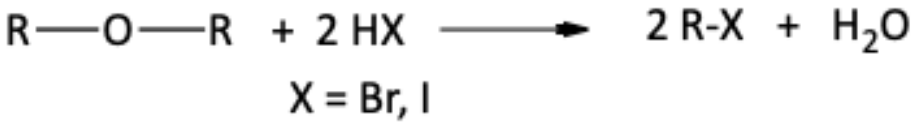
Dehydration to form ether



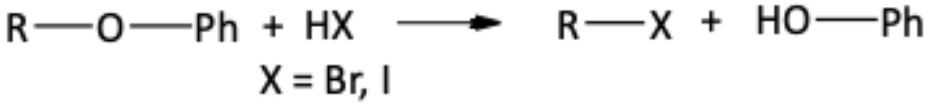
Dehydration to form an alkene



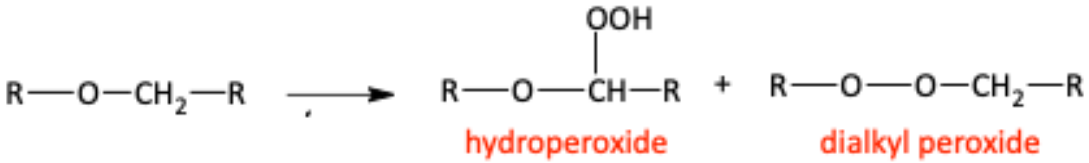
Ether cleavage with HBr or HI



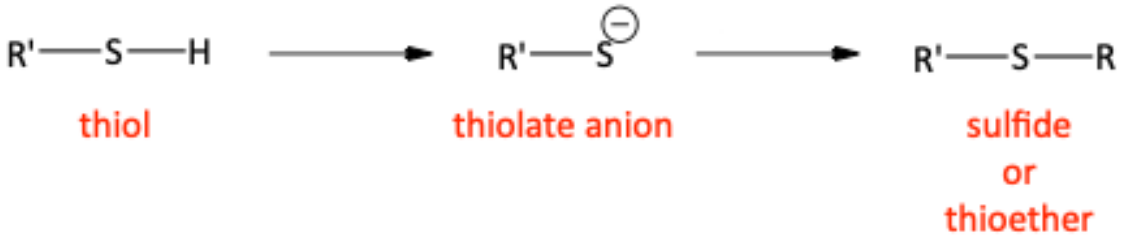
Ether cleavage of phenyl ethers with HBr or HI



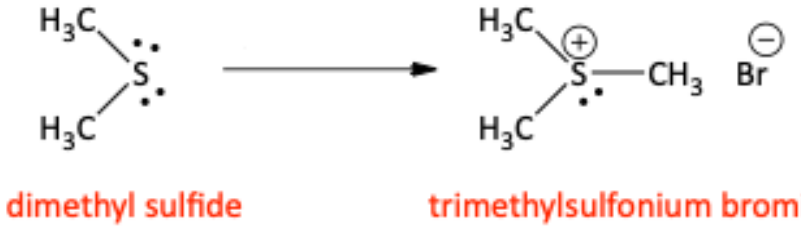
Autooxidation



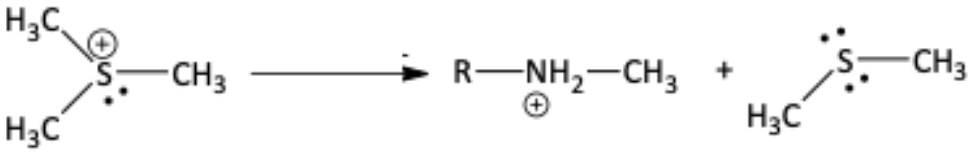
Sulfide synthesis from thiols



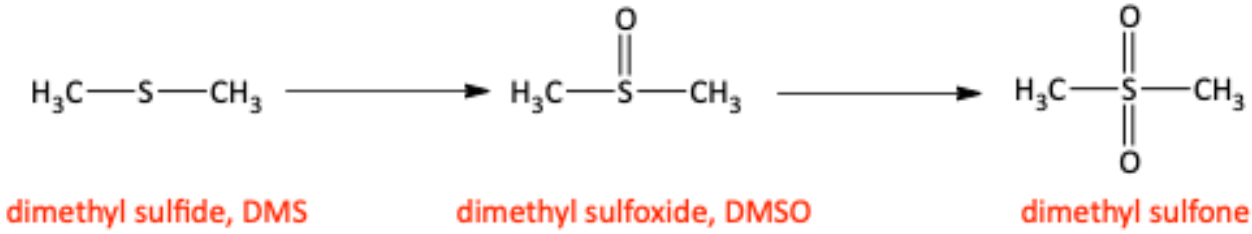
Sulfide with alkyl halide



Sulfonium reacting with nucleophiles



Sulfide oxidation



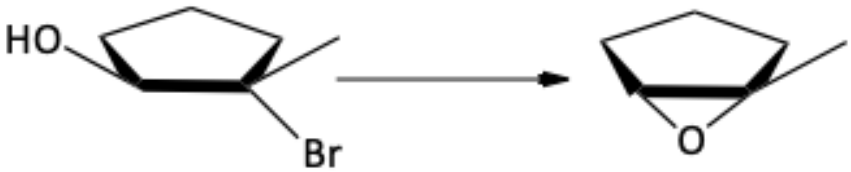
Epoxide synthesis



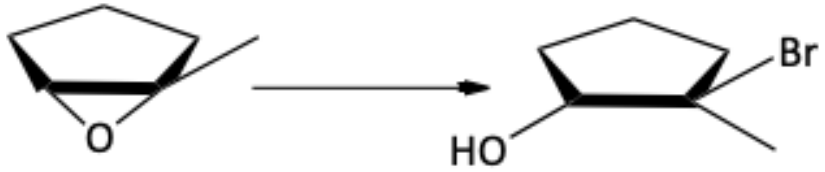
Halohydrin formation



Halohydrin formation of epoxide



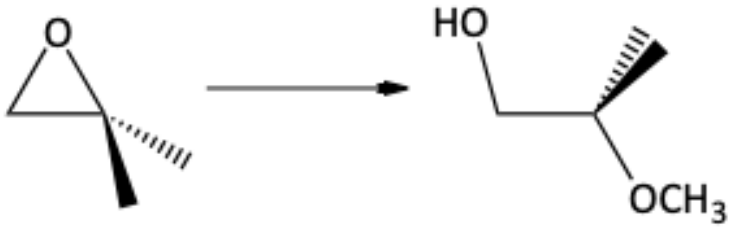
Epoxide reaction with HX



Formation of epoxide in acid and water



Epoxide reaction in acid and alcohol



Epoxide reaction with Grignard reagent

