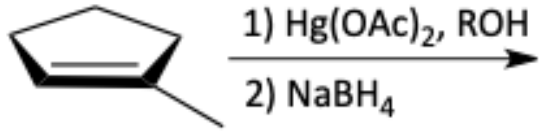
Ether, Epoxide, Sulfide Reaction Review: Draw the Products

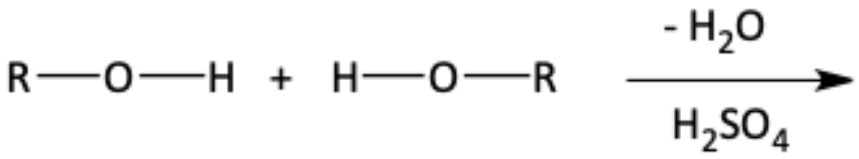
Each reaction shows the starting material and the reagents. Draw the product.

Name: _____ Date: _____

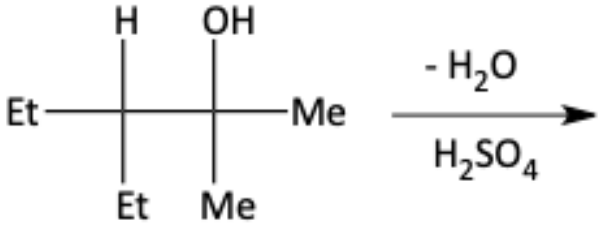
Alkoxymercuration and Demercuration



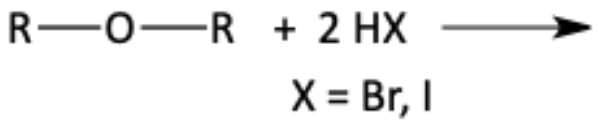
Dehydration to form ether



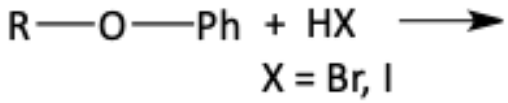
Dehydration to form an alkene



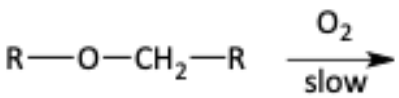
Ether cleavage with HBr or HI



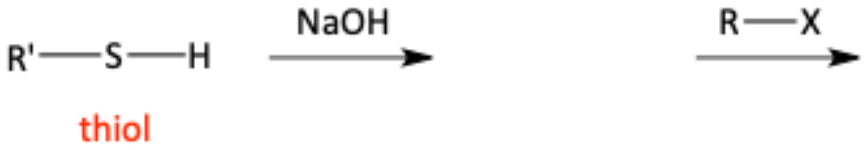
Ether cleavage of phenyl ethers with HBr or HI



Autooxidation

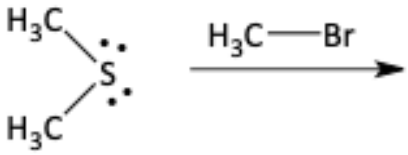


Sulfide synthesis from thiols



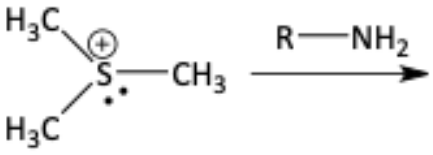
thiol

Sulfide with alkyl halide



dimethyl sulfide

Sulfonium reacting with nucleophiles

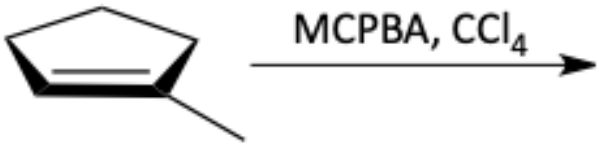


Sulfide oxidation

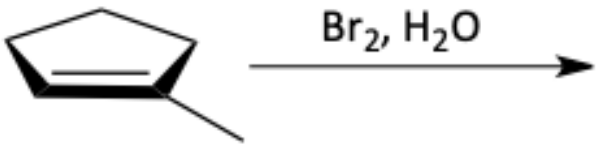


dimethyl sulfide, DMS

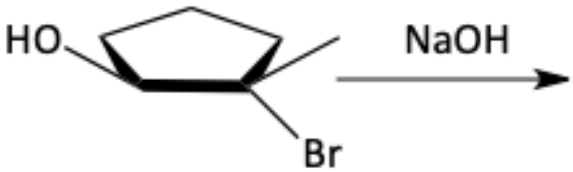
Epoxide synthesis



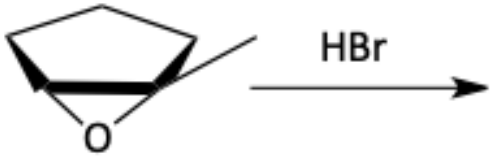
Halohydrin formation



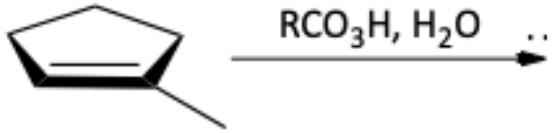
Halohydrin formation of epoxide



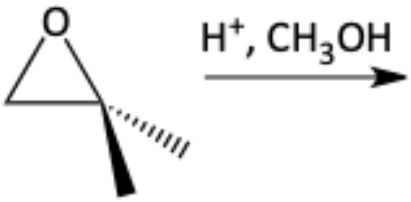
Epoxide reaction with HX



Formation of epoxide in acid and water



Epoxide reaction in acid and alcohol



Epoxide reaction with Grignard reagent

