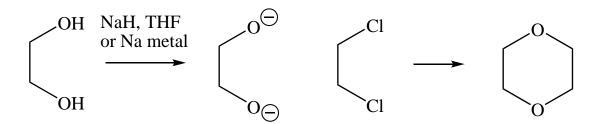
## **Exercise 63A - Ethers**

## **Question One**

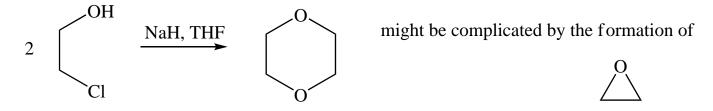
How would you prepare the following ethers via the Williamson Ether Synthesis?

Phenol is sufficiently acidic that NaOH can be used. Note that use of an aryl halide as the electrophile in the SN2 reaction is not possible.

won't work because the alkyl halide, while  $1^{\circ}$ , is neopentyl (has three  $\beta$ -branches).



This alternative...



## **Question Two**

Offer a mechanism for the following process.

