1. Arrange the following compounds in order of increasing acidity, and explain the reasons for your choice of order:
2. Cyclohexanol
3. 4-chlorophenol
4. 2-fluorocyclohexanol
5. 2-nitrophenol
6. Show the structure of all possible acid-catalyzed dehydration products of the following. If more than one alkene is possible, predict which ones will be formed in the largest amounts:
7. 1-ethylcyclohexanol
8. 3-methyl-1-3hexanol
9. Write an equation for each of these reactions:
10. 3-methyl-2-hexanol + CrO3-, H+ 🡪
11. 1-pentanol + aqueous NaoH 🡪
12. (CH3)2CHOH + Na🡪
13. Write equations for the best method to prepare each of the following ethers:
14. (CH3)2CHCH2OCH2CH2CH3
15. CH3CH2OCH2CH3
16. Give the structure of this product:

CH2=OCCH3 1. 🡪 LialH4 2. 🡪 H2O, H+

1. Complete the following equations:
2. CH3CH2=oCNHCH2CH3 🡪 LialH4
3. CH3CH2I+(CH3)2NH 🡪