

1. Draw structural diagrams for:

a) 2-methyl-3-pentanol

b) cyclohexanol

c) 2,3-dimethyl-1-butanol

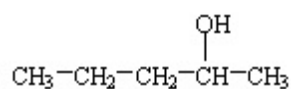
d) 1-octanol

e) 2-methylcyclopentanol

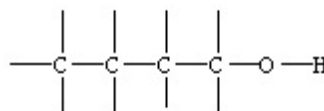
2. What's wrong with the name 1-methyl-1-propanol? What is the correct name?

3. Name each of the following compounds:

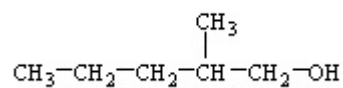
a)



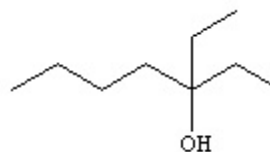
b)



c)



d)



e)

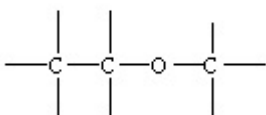


f)

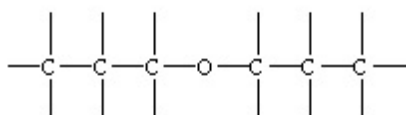


3. Write the IUPAC name and the common name for each of the following:

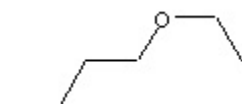
a)



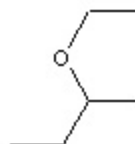
b)



c)



d)



4. Draw structural diagrams for:

a) butyl pentyl ether

b) dipropyl ether

c) ethyl methyl ether

d) 3-ethoxypentane

e) 1-methoxybutane

f) 2-propoxypropane

5. **DRAW** and **NAME** two isomers of $C_4H_{10}O$. One isomer should be an alcohol and the second should be an ether.