

## Alcohols and Ethers Worksheet

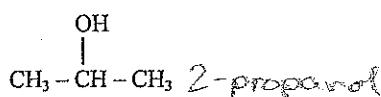
1. Assign IUPAC names to the following alcohols.

a.

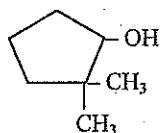


butanol

c.

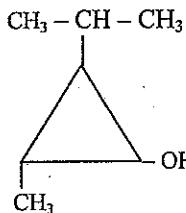


e.



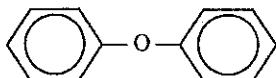
2,2-dimethyl-1-cyclopentanol

g.



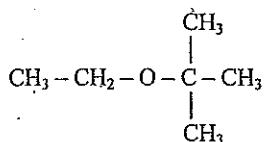
2-methyl-3-isopropyl-1-cyclopropanol

i.



diphenyl ether

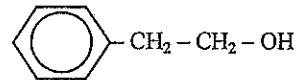
k.



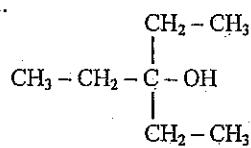
ethyl tert butyl ether

b.

2-phenylethanol

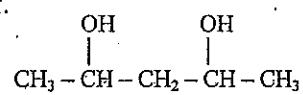


d.



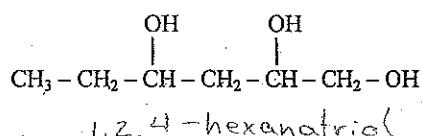
3-ethyl-3-pentanol

f.



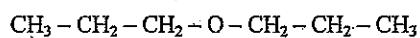
2,4-pentanediol

h.



1,2,4-hexanetriol

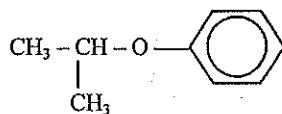
j.



propoxypropane

1,1-dipropanylether

l.

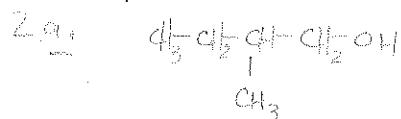


isopropyl phenyl ether

2. Draw a condensed structural formula for each of the following compounds:

- 2-methyl-1-butanol
- 1-methylcyclopentanol
- isopropylcyclohexanol
- 2,3-hexanediol
- ethyl butyl ether
- methyl phenyl ether
- diisopropyl ether
- 3-ethoxyhexane
- 1,2-dimethoxycyclobutane

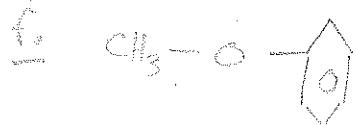
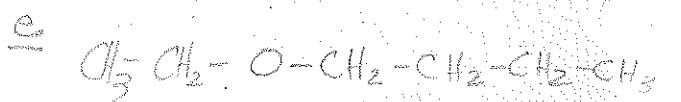
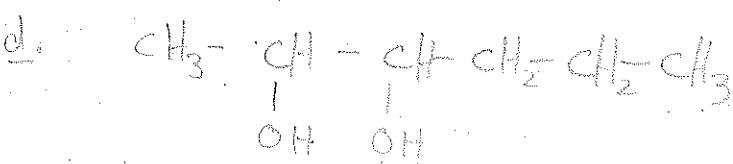
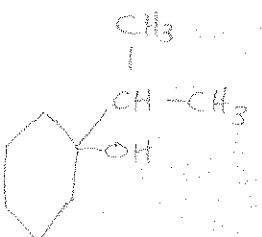
3. Give an IUPAC name and draw structural formulas for the six isomers of the molecular formula C<sub>5</sub>H<sub>12</sub>O.



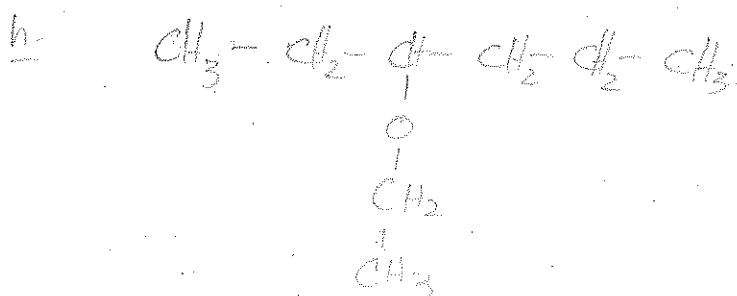
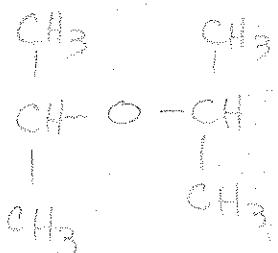
b.



c.



g.



i.

