

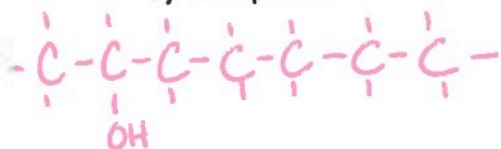
KEY

NAMING AND DRAWING FUNCTIONAL GROUPS PRACTICE WORKSHEET  
Chemistry 11

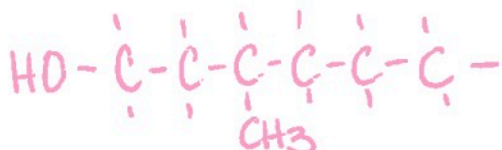


1. Draw the following alcohols

a) 2-heptanol



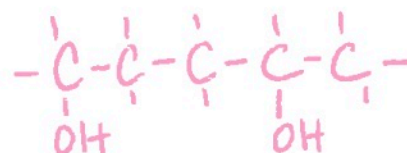
b) 3-methyl-1-hexanol



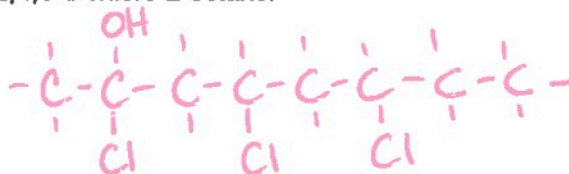
c) cyclopropanol



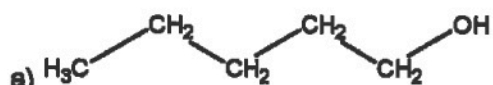
e) 1,4-pentadiol



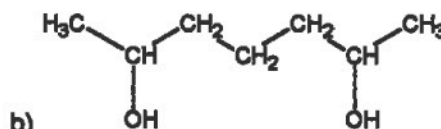
d) 2,4,6-trichloro-2-octanol



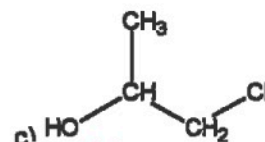
2. Name the following alcohols



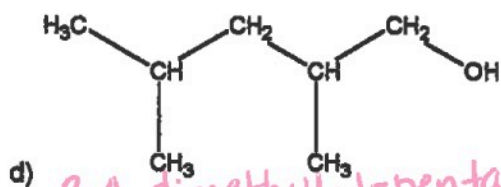
1-pentanol



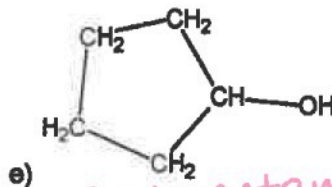
2,6-heptadiol



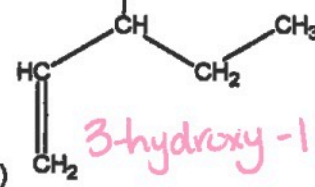
1-chloro-2-propanol



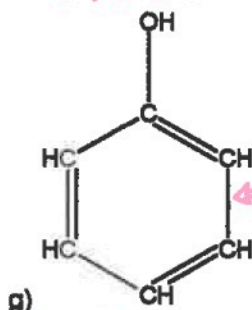
2,4-dimethyl-1-pentanol



cyclopentanol

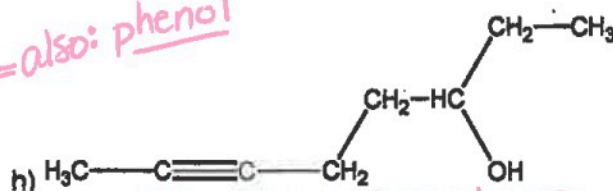


3-hydroxy-1-pentene

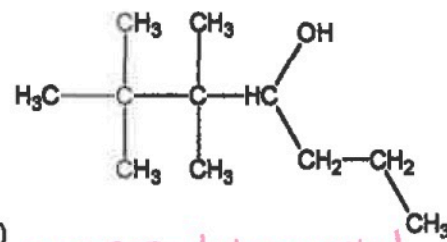


hydroxybenzene

← also: phenol



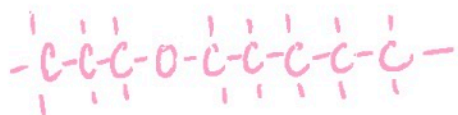
6-hydroxy-2-octyne



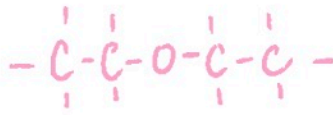
2,2,3,3-tetramethyl-4-heptanol

4. Draw the following ethers

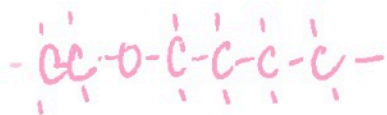
a) propoxypentane



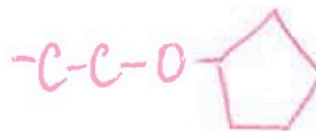
c) diethylether



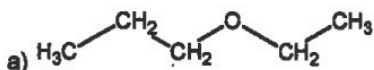
b) ethoxybutane



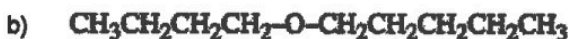
d) ethoxycyclopentane



5. Name the following ethers



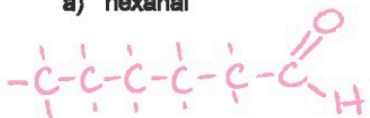
ethoxypropane



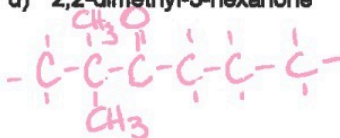
butoxypentane

7. Draw the following aldehydes and ketones

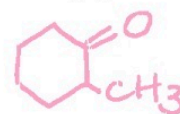
a) hexanal



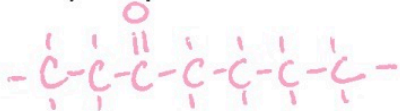
d) 2,2-dimethyl-3-hexanone



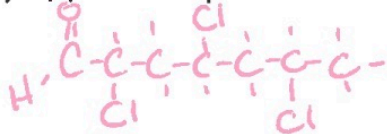
g) 2-methylcyclohexanone



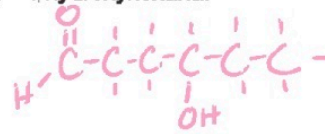
b) 3-heptanone



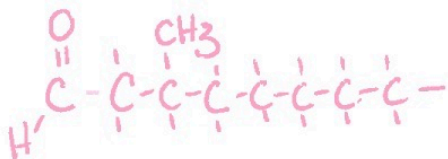
e) 2,4,6-trichloroheptanal



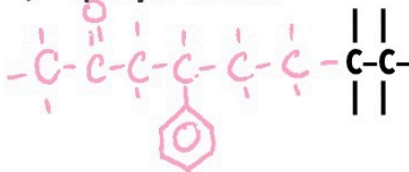
h) 4-hydroxyhexanal



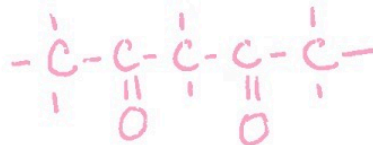
c) 3-methyloctanal



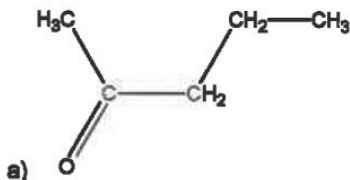
f) 4-phenyl-2-octanone



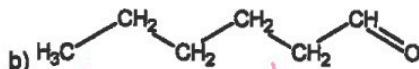
i) 2,4-pentadione



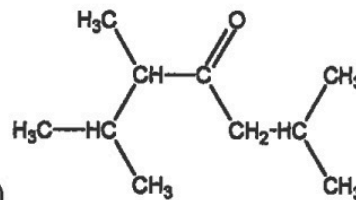
8. Name the following aldehydes and ketones



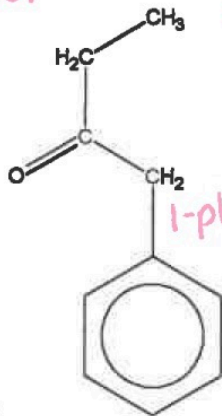
2-pentanone



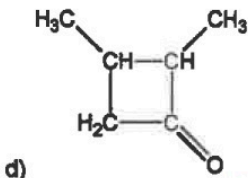
hexanal



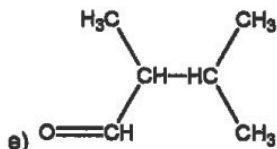
2,3,6-trimethyl-4-heptanone



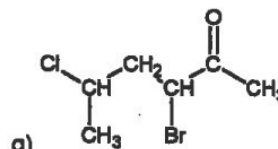
1-phenyl-2-butanone



2,3-dimethylcyclobutanone



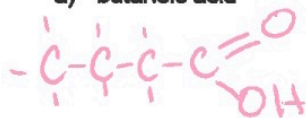
2,3-dimethylbutanal



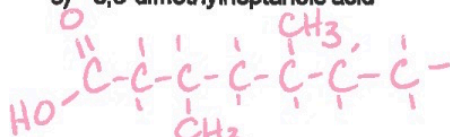
3-bromo-5-chloro-2-hexanone

11. Draw the following carboxylic acids

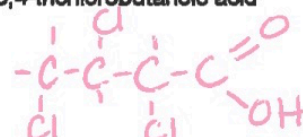
a) butanoic acid



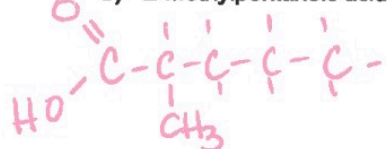
c) 3,5-dimethylheptanoic acid



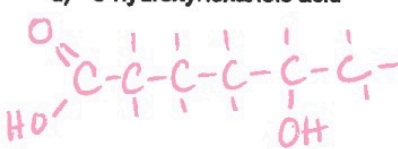
e) 2,3,4-trichlorobutanoic acid



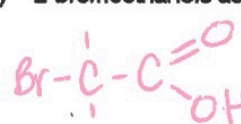
b) 2-methylpentanoic acid



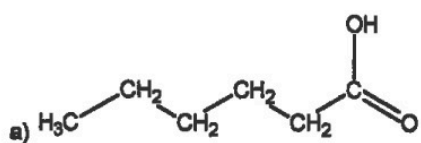
d) 5-hydroxyhexanoic acid



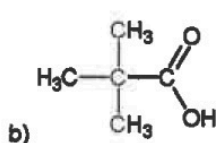
f) 2-bromoethanoic acid



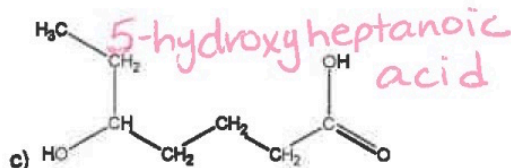
12. Name the following carboxylic acids



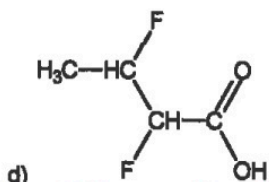
**hexanoic acid**



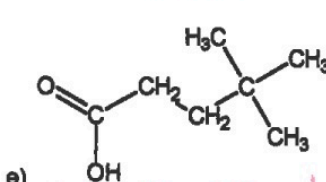
**2,2-dimethylpropanoic acid**



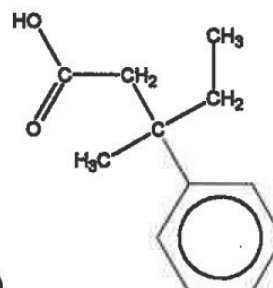
**5-hydroxyheptanoic acid**



**2,3-difluorobutanoic acid**



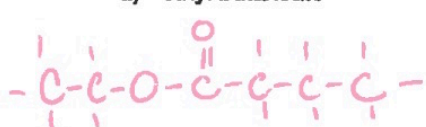
**4,4-dimethylpentanoic acid**



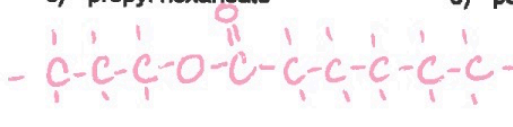
**3-methyl-3-phenylpentanoic acid**

14. Draw the following esters

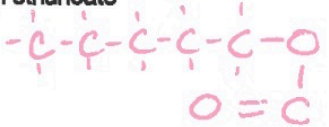
a) ethyl butanoate



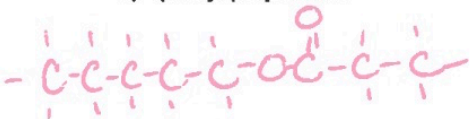
b) propyl hexanoate



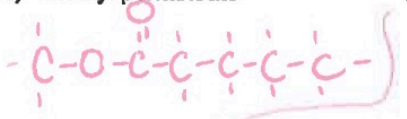
c) pentyl ethanoate



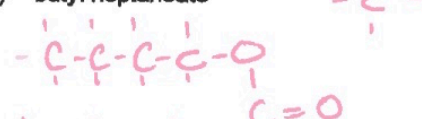
d) methyl pentanoate



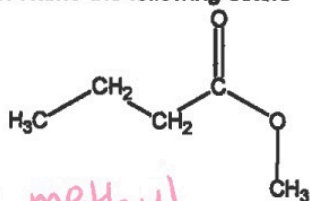
e) methyl pentanoate



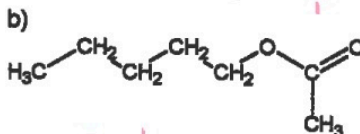
f) butyl heptanoate



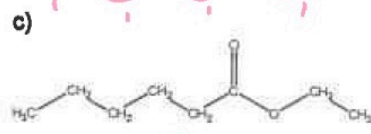
15. Name the following esters



**methyl butanoate**



**pentyl ethanoate**



**ethyl hexanoate**