

03/03/2014



S30 Unit B: Functional Group Practice WS

Name: _____
Date: _____

1. Name the following alcohols.



ethanol



butan-2-ol

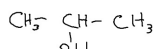
2. Draw structural formulas for the following alcohols.

a) ethanol

b) pentan-3-ol

c) butan-2-ol

d) propan-2-ol



3. Name the following carboxylic acids.

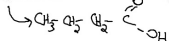


propanoic acid

4. Draw structural formulas for the following carboxylic acids.

a) butanoic acid

b) pentanoic acid



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5. Name the following esters.



methyl ethanoate

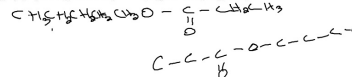


propyl propanoate

6. Draw structural formulas for each ester.

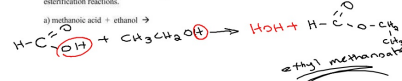
a) pentyl propanoate (apricot flavour)

b) octyl ethanoate (orange flavor)

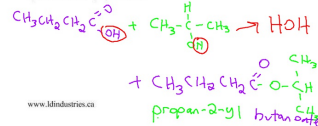


7. Write the structural formulas and give the IUPAC name of the esters formed in these esterification reactions.

a) methanoic acid + ethanol



b) butanoic acid + propan-2-ol



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c) ethanoic acid + pentan-1-ol

8. Name each halogenated hydrocarbon.

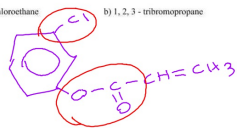


chloro fluoro ethane 1,2-dichloro-1,2-difluoro ethane

9. Draw structural formulas for each halogenated hydrocarbon.

a) 1,1-difluoro-2,2-dichloroethane

b) 1,2,3-tribromopropane



More Practice: pg 252 #8, pg 267 #21, pg 273 #23, 24, pg 278 #4, 5, 6

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