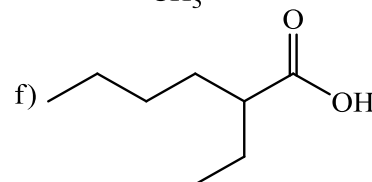
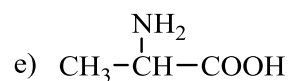
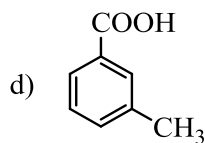
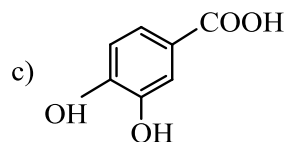
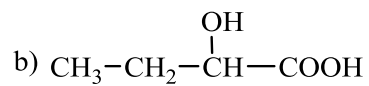


Practice 9-1

Name each of the following acids:



Answer

a) 3,3-difluoropentanoic acid

b) 2-hydroxybutanoic acid

c) 3,4-dihydroxybenzoic acid

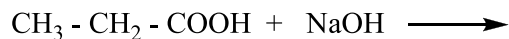
d) 3-methylbenzoic acid

e) 2-aminopropanoic acid

f) 2-ethylhexanoic acid

Practice 9-2

Complete the following reaction and name the carboxylic acid salt formed.

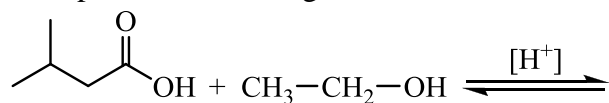


Answer

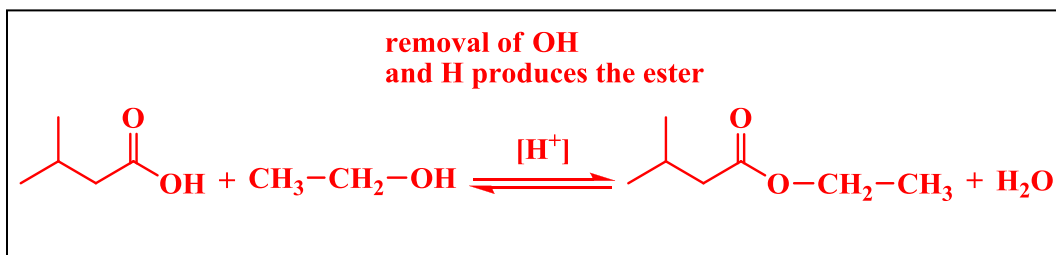


Practice 9-3

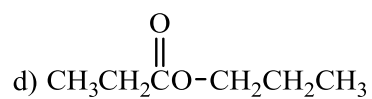
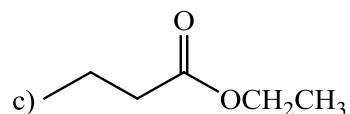
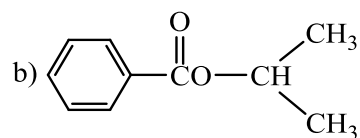
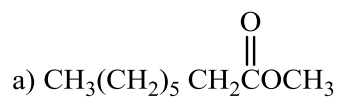
Complete the following esterification reaction:



Answer

**Practice 9-4**

Write the name for each of the following esters.



Answer

a) methyl octanoate

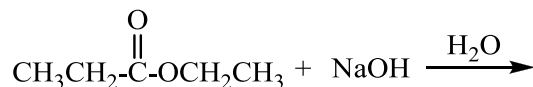
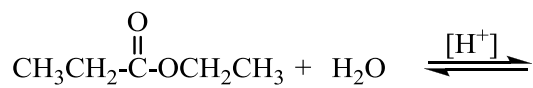
b) isopropyl benzoate

c) ethyl butanoate

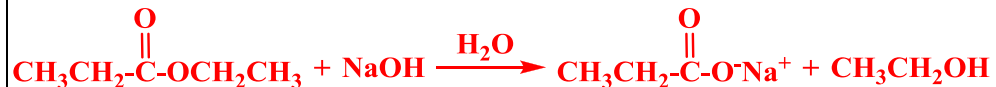
e) propyl propanoate

Practice 9-5

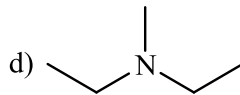
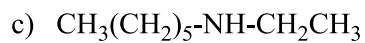
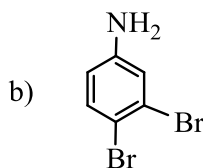
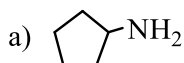
Complete the following reactions:



Answer

**Practice 9-6**

Name each of the following:



Answer

a) cyclopentylamine

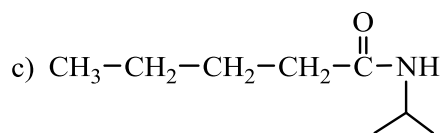
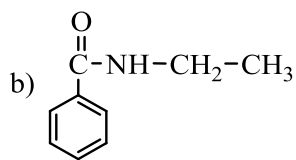
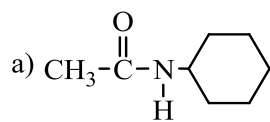
b) 3,4-dibromoaniline

c) ethylhexylamine

d) diethylmethylamine

Practice 9-7

Name each of the following amides:



Answer

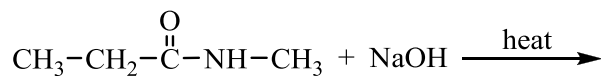
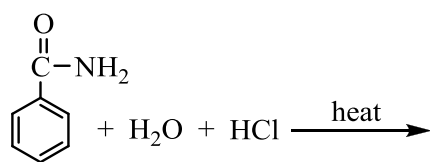
a) N-cyclohexylacetamide

b) N-ethylbenzamide

c) N-isopropylpentanamide

Practice 9-8

Draw the structures of the products in each of the following hydrolysis reactions.



Answer

