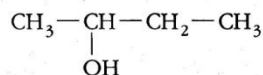


Chapter 16

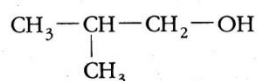
End-of-Chapter Questions

1. Provide the name of the alcohol shown in each of the following condensed formulas:

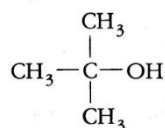
(a)



(b)



(c)



2. Draw the condensed formula corresponding to the name of each of the following alcohols:

(a) 3-hexanol

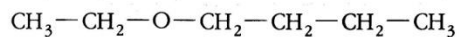
(b) 2-methyl-3-hexanol

(c) 2,3-dimethyl-2-hexanol.

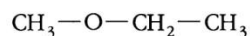
3. Draw the condensed formula for each of the eight alcohols with the molecular formula $\text{C}_5\text{H}_{12}\text{O}$.

4. Provide the name of the alcohol corresponding to each answer in question 3.

5. Provide the name of the ether shown in the following condensed formula:

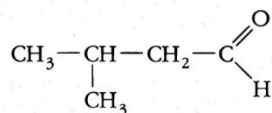


6. Provide the name of the ether shown in the following condensed formula:

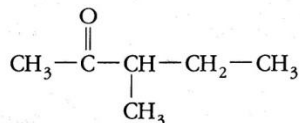


7. Provide the name of the aldehyde or ketone shown in each of the following condensed formulas:

(a)

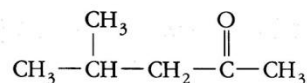


(b)

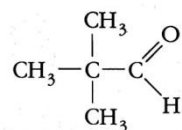


8. Provide the name of the aldehyde or ketone shown in each of the following condensed formulas:

(a)

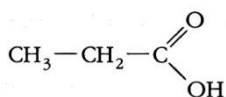


(b)

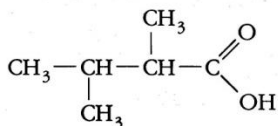


9. Provide the name of the carboxylic acid shown in each of the following condensed formulas:

(a)

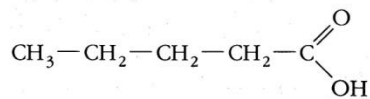


(b)

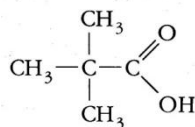


10. Provide the name of the carboxylic acid shown in each of the following condensed formulas:

(a)

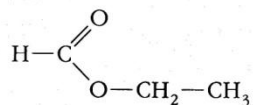


(b)

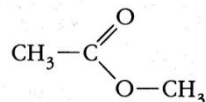


11. Draw the condensed formula for heptanoic acid.
12. Draw the condensed formula for 3-methylpentanoic acid.
13. Provide the name of the ester shown in each of the following condensed formulas:

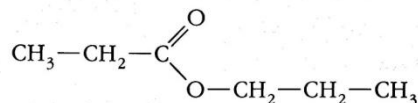
(a)



(b)

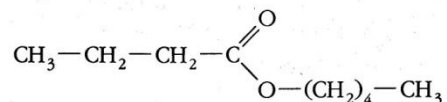


(c)

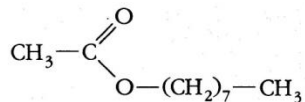


14. Provide the name of the ester shown in each of the following condensed formulas:

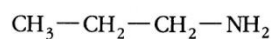
(a)



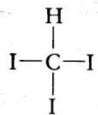
(b)



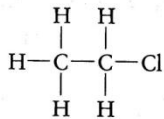
15. Provide the name of the amine shown in the following condensed formula:



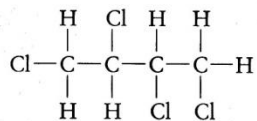
16. Draw the condensed formula for 3-aminopentane.
17. Provide the name of the compounds shown in the following condensed formulas:
- (a)



(b)



(c)



18. Draw the condensed formula for each of the following:

(a) 1,1,1-trichloropropane

(b) 3-bromopentane