



Functional Groups-1

Name:

Date:

There are two isomers of C_3H_7OH that are alcohols. One of them is 2-propanol. Draw the other isomer and name it.

1.	$\begin{array}{c} \text{Cl} \\ \\ \text{CH}_3 - \text{C} - \text{CH}_3 \\ \\ \text{Cl} \end{array}$	
2.	$\begin{array}{c} \text{Br} - \text{CH} - \text{CH}_2 - \text{OH} \\ \\ \text{CH}_3 - \text{C} - \text{CH}_2 - \text{CH}_3 \\ \\ \text{Cl} \end{array}$	
3.		
4.		
5.		
6.	$\begin{array}{c} \text{Cl} \\ \\ \text{CH}_3 - \text{C} - \text{Cl} \\ \\ \text{Cl} \end{array}$	

Draw the condensed structural formula for the following organic compounds:

7. 1,1-dichloroethene

8. 2-methyl-3-pentanol

9. 2-chloropropane

10. 1,1-dichloro-3,3dimethyl-2-hexanol

11. 2,3,5-tribromocyclohexanol

*1-propanol 1) 2,2-dichloropropane 2) 2-bromo-3-chloro-3-methyl-1-pentanol
3) 1,2,3,4-tetrachlorocyclobutane 4) 4-bromo-2-hexene 5) 1,3,5-trifluorobenzene 6) 1,1,1-trichloroethane*