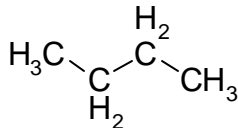
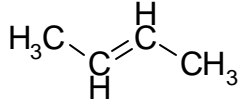
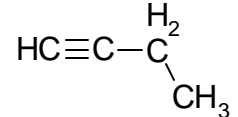
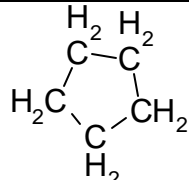
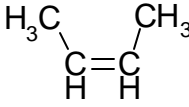
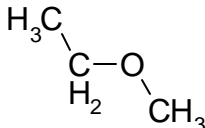
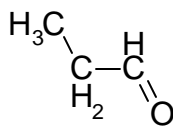
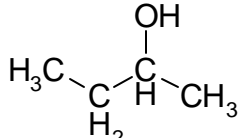
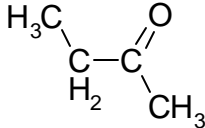
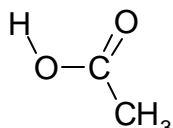
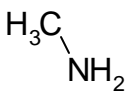
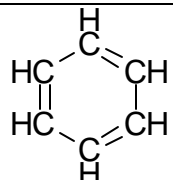
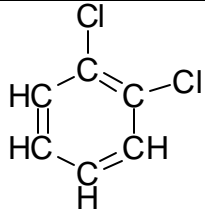
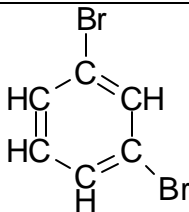
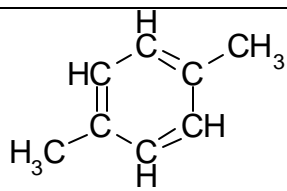


1 • What Do Chemists See When They Look At Chemicals?

Name & Functional Group Practice

Name / Functional Group	Formula	Structural Formula
n-butane	C_4H_{10} $CH_3CH_2CH_2CH_3$	
name butene (cis-2-butene)	C_4H_8	
name butyne (1-butyne)	C_4H_6	
name cyclopentane	C_5H_{10}	
name butene (cis-2-butene)	C_4H_8	
Which is this? alcohol, aldehyde, ketone, ether , carboxylic acid, amine	C_3H_8O $(CH_3CH_2OCH_3)$	
Which is this? alcohol, aldehyde , ketone, ether, carboxylic acid, amine	C_3H_6O (CH_3CH_2CHO)	
Which is this? alcohol , aldehyde, ketone, ether, carboxylic acid, amine	$C_4H_{10}O$ $(CH_3CH_2CHOHCH_3)$	
Which is this? alcohol, aldehyde, ketone , ether, carboxylic acid, amine	C_4H_8O $(CH_3CH_2COCH_3)$	

Which is this? alcohol, aldehyde, ketone, ether, carboxylic acid , amine	$C_2H_4O_2$ (CH₃COOH)	
Which is this? alcohol, aldehyde, ketone, ether, carboxylic acid, amine	CH_5N (CH₃NH₂)	
name benzene	C_6H_6	
name 1,2-dichlorobenzene or ortho-dichlorobenzene	$C_6H_4Cl_2$	
name 1,3-dibromobenzene or meta-dibromobenzene	$C_6H_4Br_2$	
name 1,4-dimethylbenzene or para-dimethylbenzene	C_8H_{12}	

Draw and name the three isomers of pentane, C₅H₁₂.

