

## Identifying Hydrocarbons

Name of Hydrocarbon	Formula of Hydrocarbon
1. Methane	$CH_4$
2. Octene	$C_8H_{16}$
3. Propyne	$C_3H_4$
4. Pentene	$C_5H_{10}$
5. Nonane	$C_9H_{20}$
6. Decyne	$C_{10}H_{18}$
7. Ethene	$C_2H_4$
8. Heptane	$C_7H_{16}$
9. Hexyne	$C_6H_{10}$
10. Butene	$C_4H_8$
HEXANE	11. $C_6H_{14}$
ETHYNE	12. $C_2H_2$
PROPANE	13. $C_3H_8$
HEPTENE	14. $C_7H_{14}$
BUTYNE	15. $C_4H_6$
OCTANE	16. $C_8H_{18}$
NONENE	17. $C_9H_{18}$
PENTANE	18. $C_5H_{12}$
DECENE	19. $C_{10}H_{20}$
ETHANE	20. $C_2H_6$

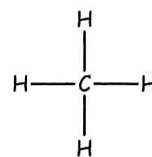
# Alkanes – Practice

Name

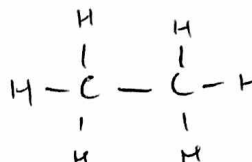
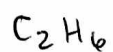
Molecular Formula

Structural Formula

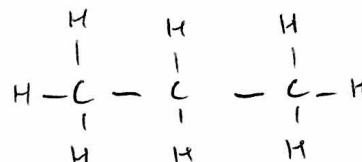
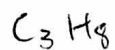
methane



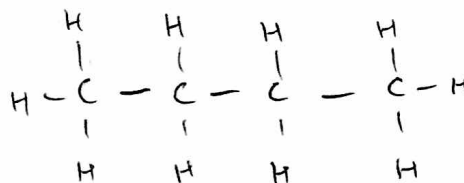
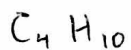
ethane



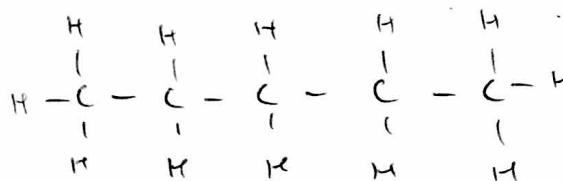
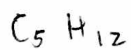
propane



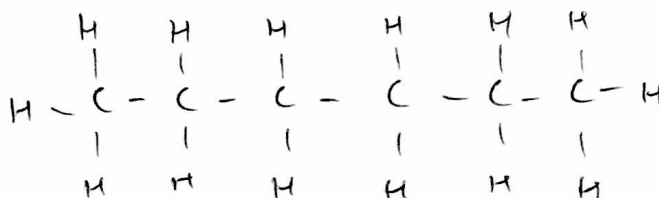
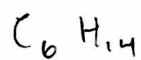
butane



pentane

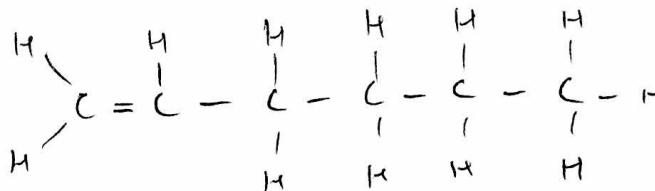
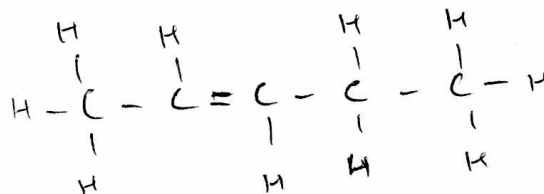
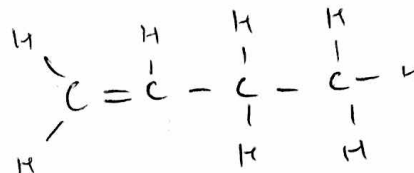
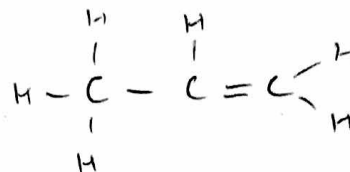
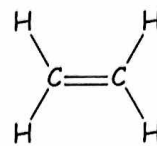


hexane



## Alkenes - Practice

Name	Molecular Formula	Structural Formula
ethene	$C_2H_4$	
2-propene	$C_3H_6$	
1-butene	$C_4H_8$	
2-pentene	$C_5H_{10}$	
1-hexene	$C_6H_{12}$	



## Alkynes - Practice

Name	Molecular Formula	Structural Formula
ethyne	$C_2H_2$	$H-C \equiv C-H$
2-propyne	$C_3H_4$	$\begin{array}{c} H \\   \\ H-C-C \equiv C-H \\   \\ H \end{array}$
1-butyne	$C_4H_6$	$H-C \equiv C-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-H$
2-pentyne	$C_5H_8$	$\begin{array}{c} H \\   \\ H-C-C \equiv C-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-H \\   \\ H \end{array}$
1-hexyne	$C_6H_{10}$	$H-C \equiv C-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-\begin{array}{c} H \\   \\ C \\   \\ H \end{array}-H$