

C11 - 6.1 - Alkane WS

Draw the following alkanes Full and Condensed Structure.

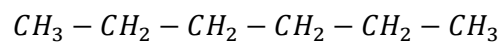
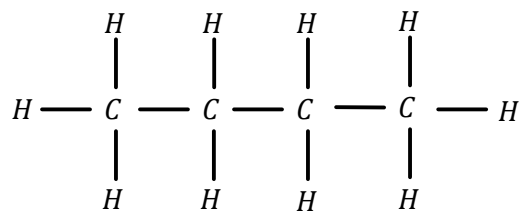
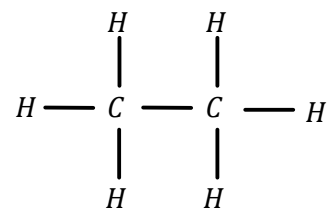
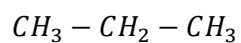
Propane:

Butane:

Octane:

Methane:

Name the following alkanes.



C11 - 6.1 - Alkyl WS

Draw the following Ethyl Condensed Structure.

3 - methylpentane

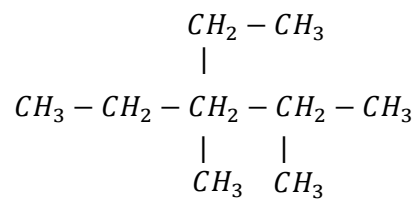
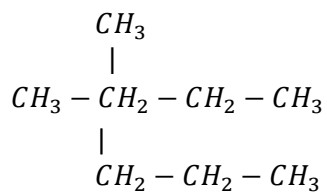
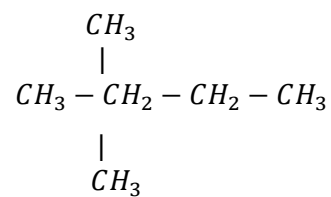
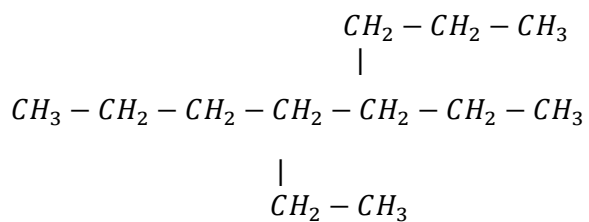
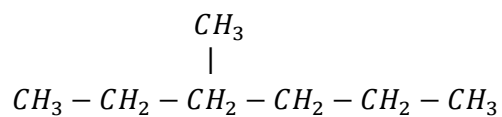
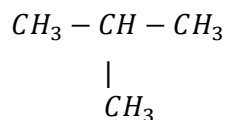
2 - ethylbutane

2,3 dimethylbutane

2,3,4 - trimethylheptane

2,- Methyl - 3 ethylhexane *trick

Name the following Alkyls.



C11 - 6.2 - Cycloalkanes WS

Draw the following Cycloalkanes Condensed Structure.

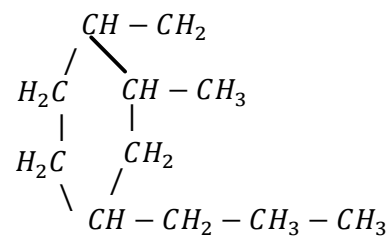
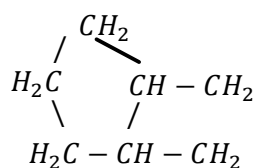
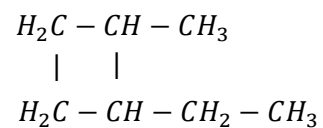
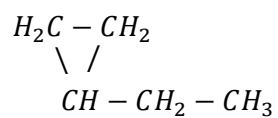
Cyclobutane

Cyclopropane

Diethyl Cyclopropane

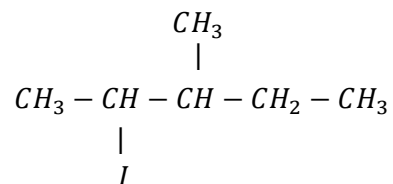
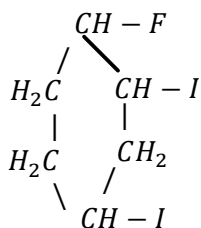
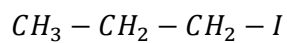
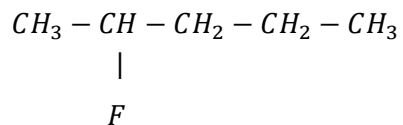
Ethyl 2 - Methyl Cyclobutane

Name the following Cycloalkanes.



C11 - 6.2 - Alkyl Halides WS

Draw the following alkyl halides Condensed Structure.



Name the following alkyl halides.

2 - Chloropentane

2,3 - diiodohexane

2 - Fluoro - 3,4,5 - Trichlorobutane

1 - Iodo - 2,3 dichlorocyclobutane

C11 - 6.3 - Alkene= Bonds WS

Draw the following alkenes Condensed Structure.

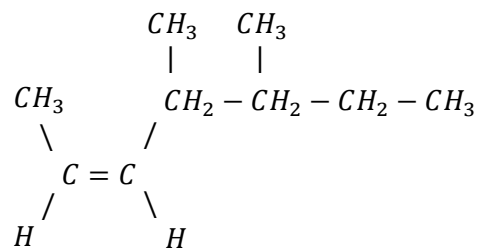
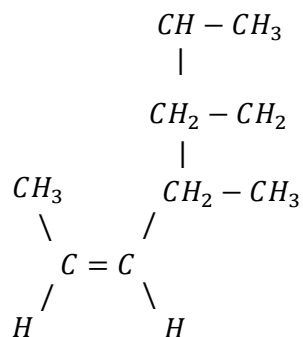
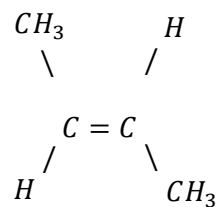
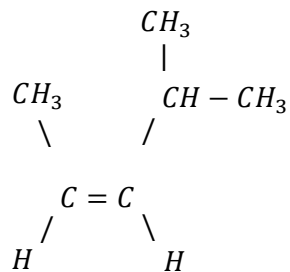
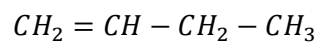
2 - Butene

Pentene

3,3 Diethyl 2 - Propene

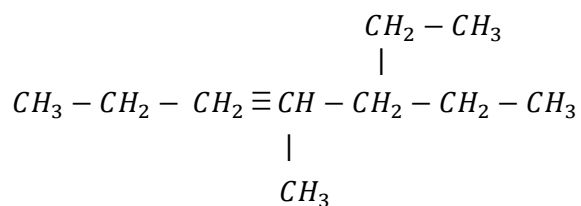
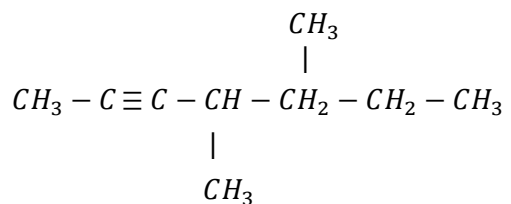
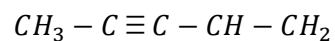
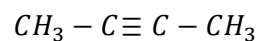
3 Ethyl - 4 Methyl - 2 - Hexene

Name the following Full and Condensed alkanes.



C11 - 6.3 - Alkyne \equiv Bonds WS

Draw the following alkynes Condensed Structure.



Name the following alkynes.

Pentene

3,3 - Diethyl - 4 - methyl - 2 - Propene

3,4 - diethyl - 2 - Cyclopentene

3 - Ethyl - 2 - Methyl - 1 - Hexene