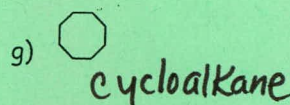
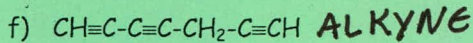
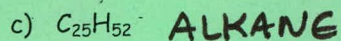
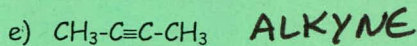
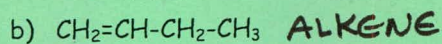
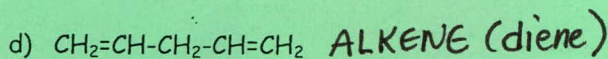
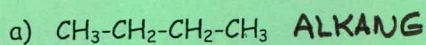


Name Beth "KEY"

IB Chemistry 12

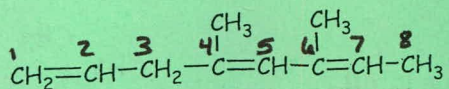
Organic Nomenclature Review: Aliphatic Hydrocarbons

1. Identify the organic family (alkane, alkene, alkyne or cycloalkane) that corresponds to each of the following compounds.



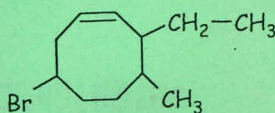
2. Give the correct IUPAC name for the following organic compounds.

a)



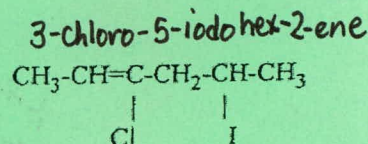
4,6-dimethyl-1,4,6-octatriene
or octa-1,4,6-triene

b)

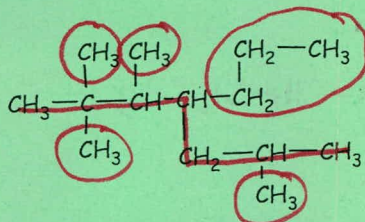


7-bromo-3-ethyl-4-methylcyclooctene

c)

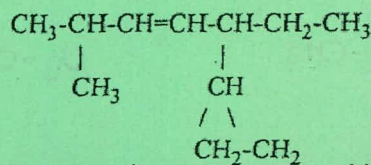


d)



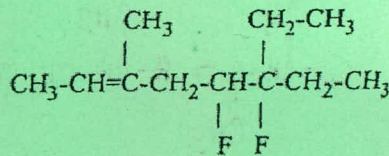
2,2,3,6-tetramethyl-4-propylheptane

e)



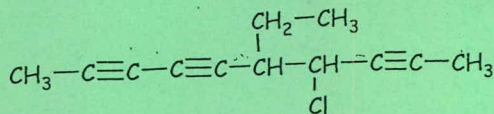
2-methyl-5-cyclopropylhept-3-ene

f)



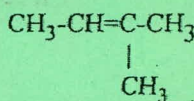
6-ethyl-5,6-difluoro-3-methyloct-2-ene

g)



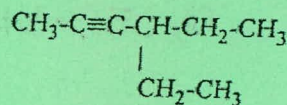
7-chloro-6-ethyldec-2,4,8-triyne

h)



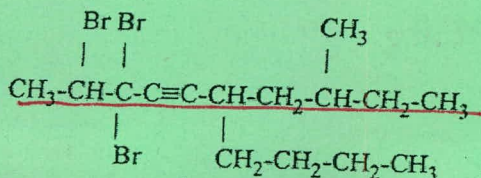
2-methylbut-2-ene

i)



4-ethylhex-2-yne

j)



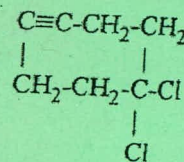
2,3,3-tribromo-6-butyl-8-methyldec-4-yne

k)



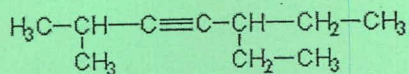
Benzene

l)



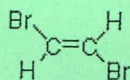
5,5-dichlorocycloheptene

m)



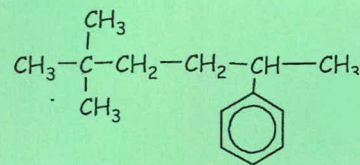
5-ethyl-2-methyl hept-3-yne

n)



trans-dibromoethene

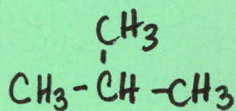
o)



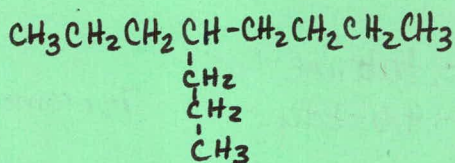
2,2-dimethyl-5-phenylhexane

3. Draw condensed structural formulas for the following organic compounds.

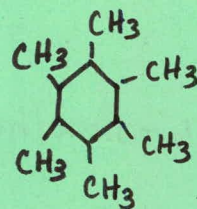
a) methylpropane



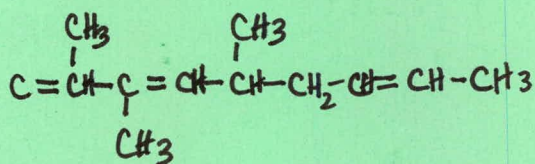
b) 4-propyloctane



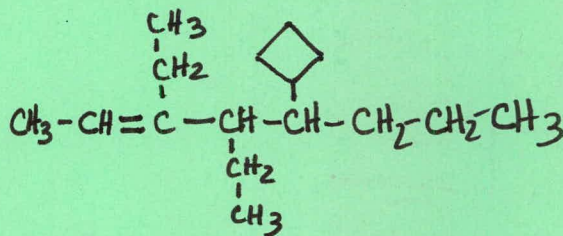
c) 1,2,3,4,5,6-hexamethylcyclohexane



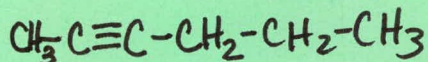
d) 2,3,5-trimethylnon-1,3,7-triene



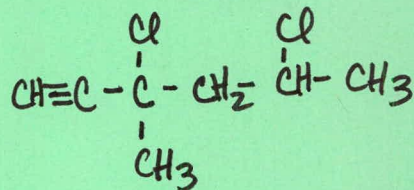
e) 3,4-diethyl-5-cyclobutyl-oct-2-ene



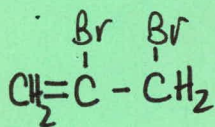
f) hex-2-yne



g) 3,5-dichloro-3-methylhex-1-yne



h) 2,3-dibromopropene



i) 3-cyclopropyl-2-pentene

