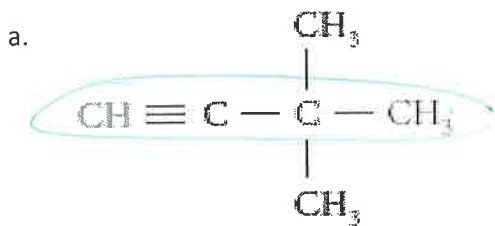
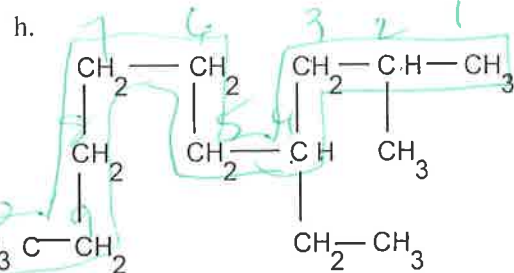


29

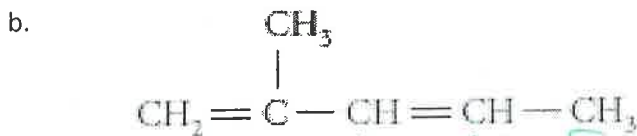
1. Give the proper IUPAC names for the following compounds:



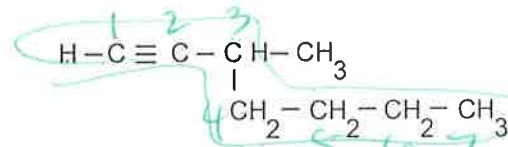
3,3-dimethyl-1-butyne



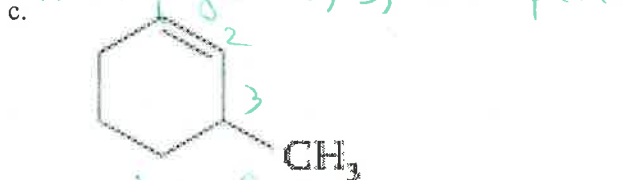
4-ethyl-3-methyldecane



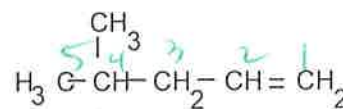
2-methyl-1,3,5-pentadiene



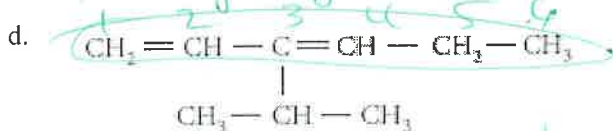
3-methyl-1-heptyne



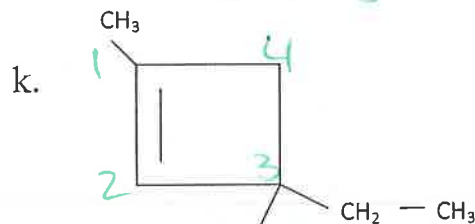
3-methylcyclohexene



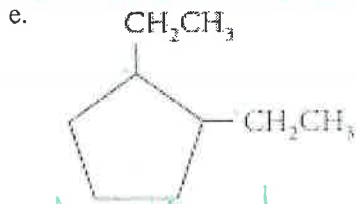
4-methyl-1-pentene



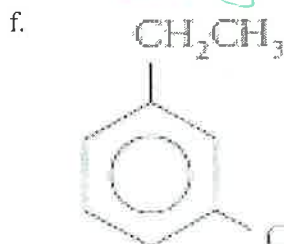
3-isopropyl-1,3-hexadiene



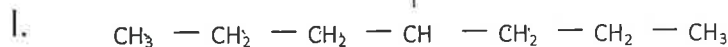
3-ethyl-1,3-dimethylcyclobutene



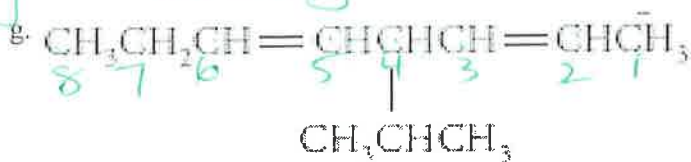
1,2-diethylcyclopentane



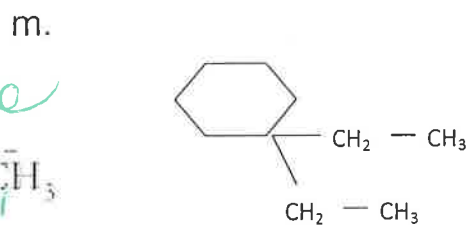
1-ethyl-3-methylbenzene



4-phenylheptane



4-isopropyl-2,5-octadiene



1,1-diethylcyclohexane

2. Draw structural diagrams for each of the following compounds:

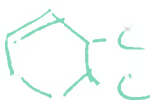
(a) 2-methyl-5-ethyl-2-heptene



(b) 1,3,5-hexatriene



(c) 3,4-dimethylcyclohexene



(d) 1-butyne



(e) 4-methyl-2-pentyne



3. Draw a structural diagram for each hydrocarbon:

(a) 2-ethyloctane



3-methyl nonane

(b) 2-ethyl-3-isopropylnonane



4-isopropyl-3-methyl decane

(c) methylcyclopentane



(d) 2-methyl-3-hexyne



(e) 3-methyl-1,5-heptadiene



(f) 1,2,4-trimethylbenzene



(g) 4-butyloctane



(h) 3-methyl-2-pentene

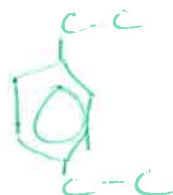
5-propylnonane



(i) isopropylbenzene



(j) p-diethylbenzene



(k) 1,3-dimethylcyclohexane

