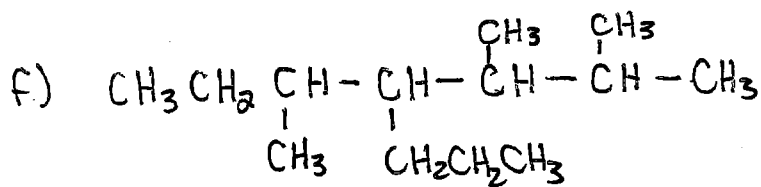
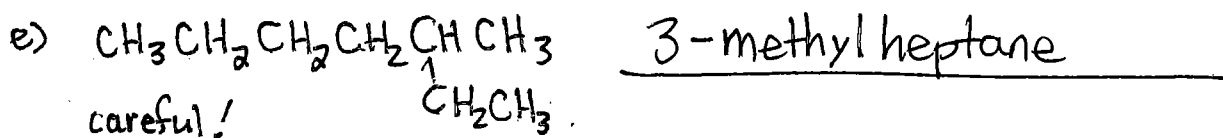
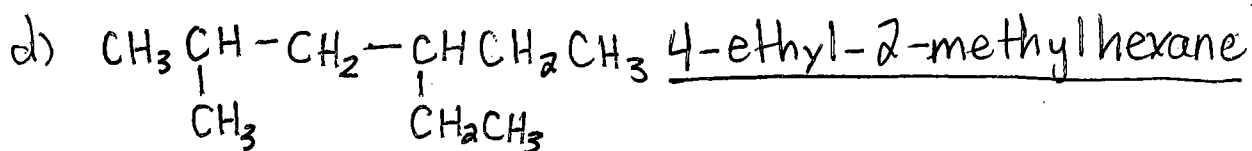
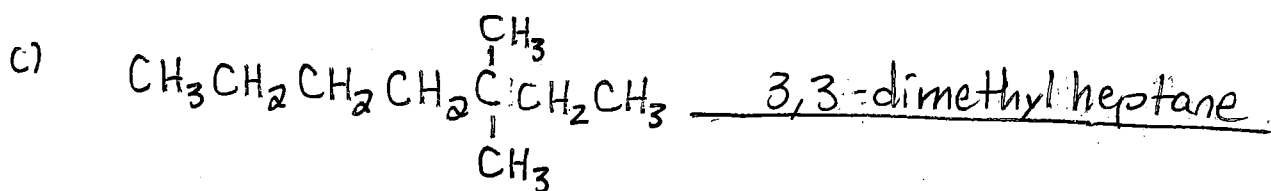
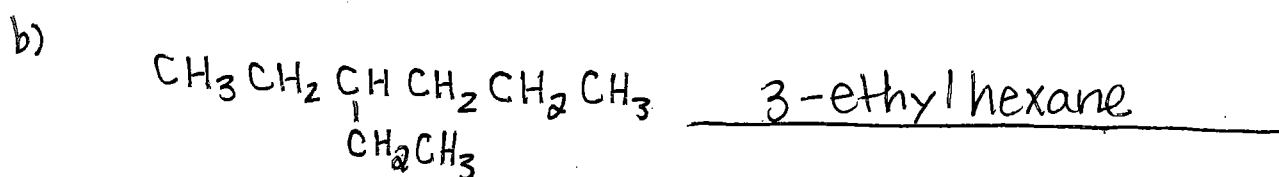


Organic Chemistry Assignment

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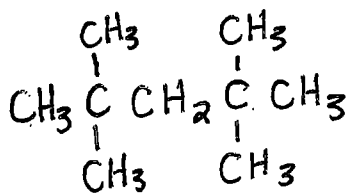
Name: Key

1. Name the following alkanes. (1 mark each)



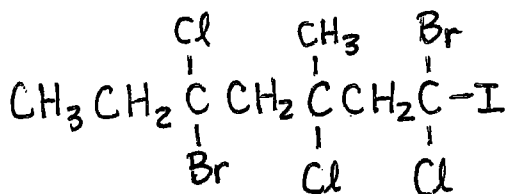
2,3,5-trimethyl-4-propylheptane

g)



2,2,4,4-tetramethyl pentane

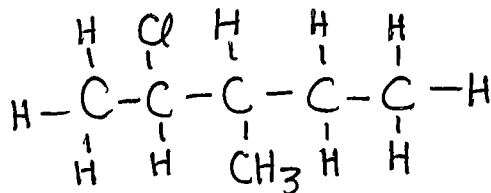
h)



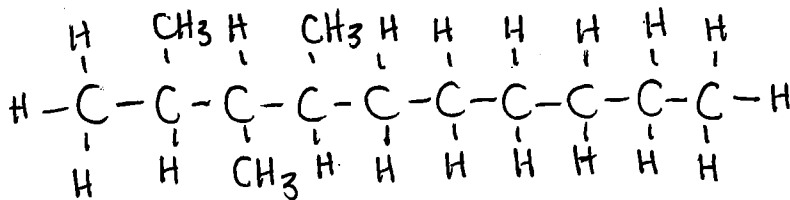
1,5-dibromo-^{tri}3,5-dichloro-1-iodo-3-methyl heptane

2. Draw the following alkanes. (1 mark each)

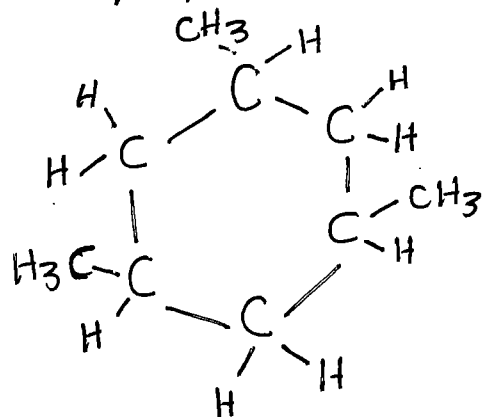
a) 2-chloro-3-methyl pentane



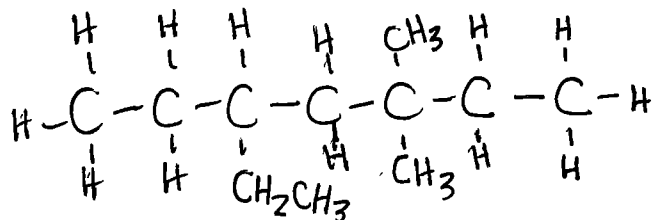
b) 2,3,4-trimethyl decane



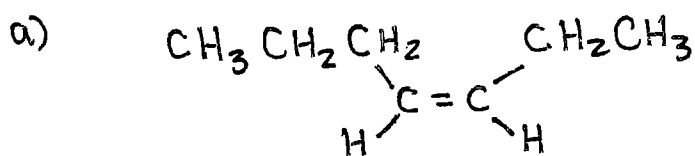
c) 1,3,5-trimethylcyclohexane



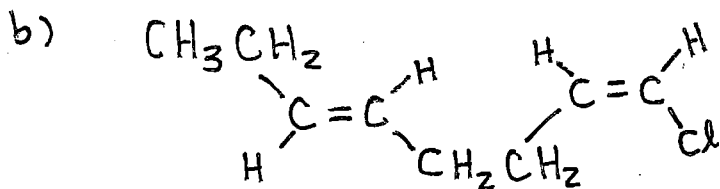
d) 3-ethyl-5,5-dimethylheptane



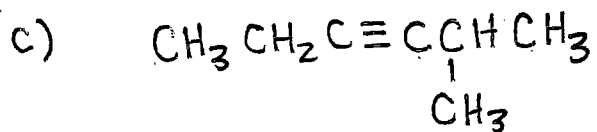
3. Name the following alkenes & alkynes



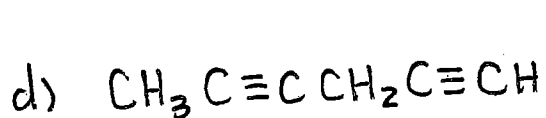
cis-3-heptene



cis,trans-1-chloro-1,5-octadiene



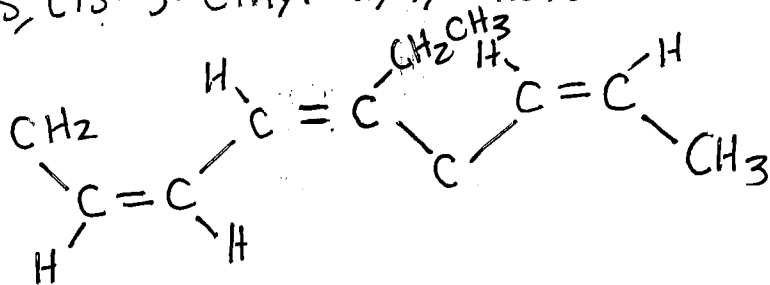
2-methyl-3-hexyne



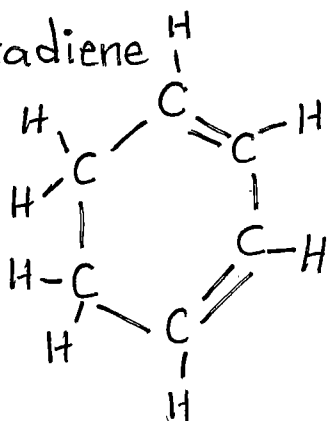
1,4-hexadiyne

4. Draw the following alkenes & alkynes

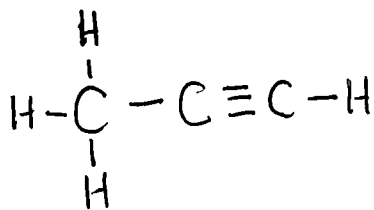
a) cis, cis, cis-5-ethyl-2,4,7-nonatriene



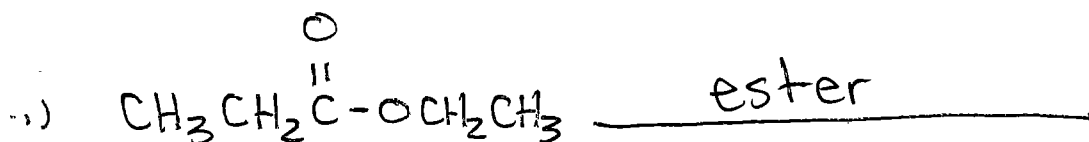
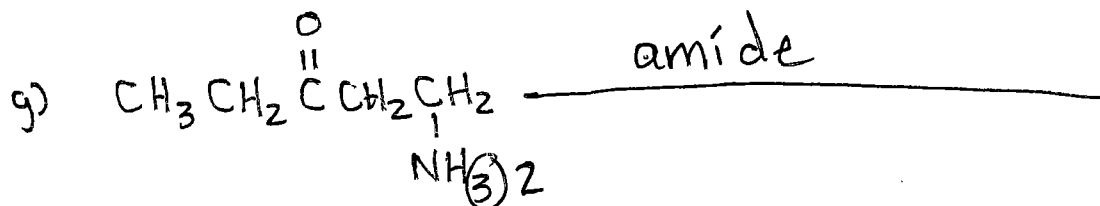
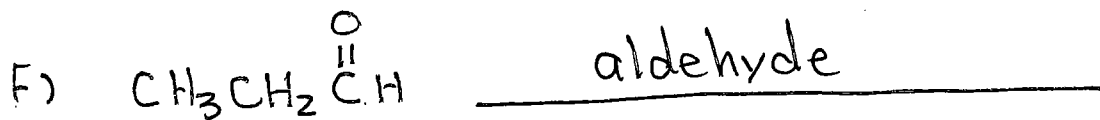
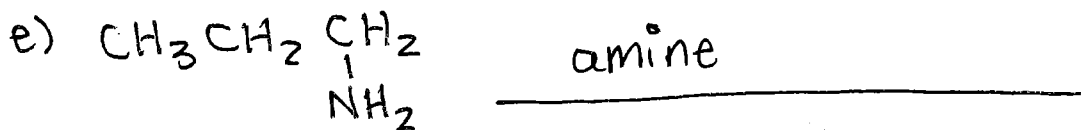
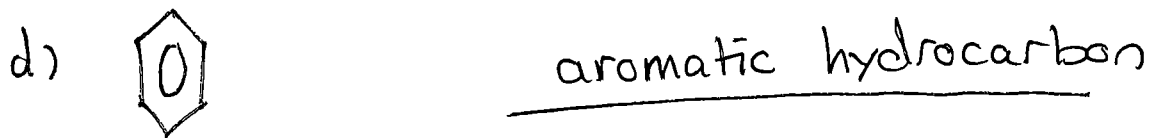
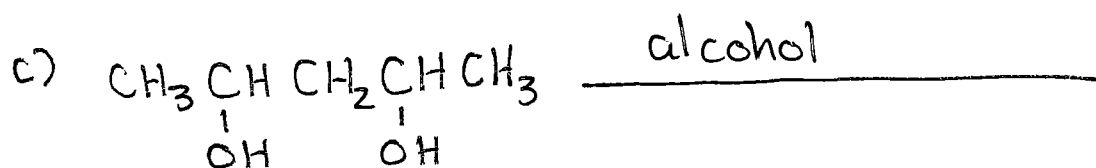
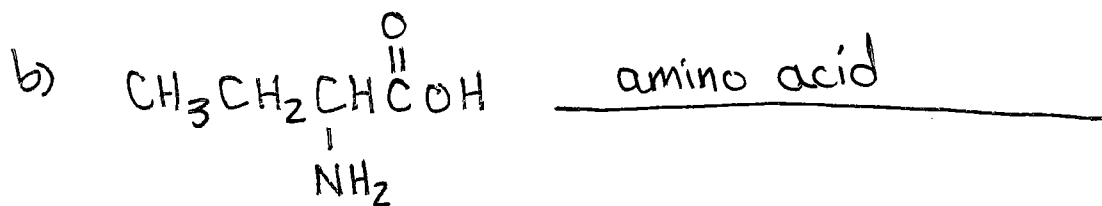
b) 1,3-cyclohexadiene

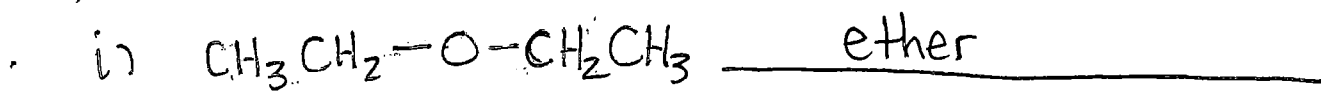


c) propyne



5: Classify each molecule as an alcohol, aldehyde, ketone, ether, aromatic, amine, amide, amino acid, ester, or carboxylic acid. Do NOT NAME them.





6. Name the following molecules with functional groups.

