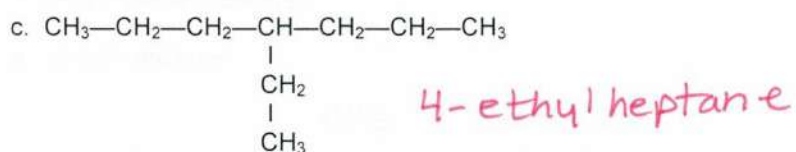
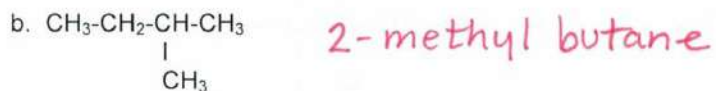


Name KEY

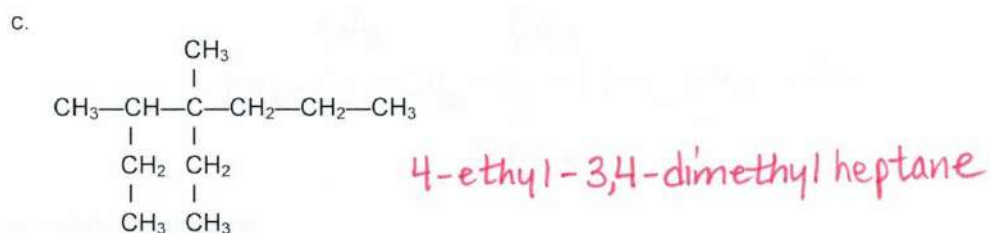
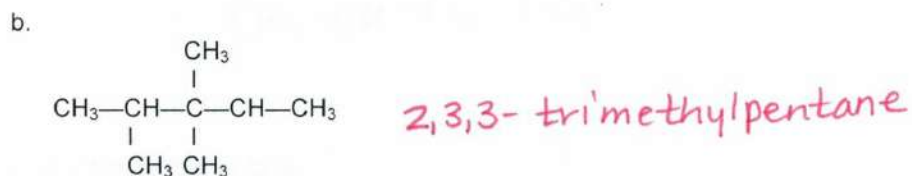
Practice Worksheet

Organic Chemistry: Hydrocarbons- Alkanes

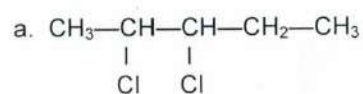
1. Name the following alkanes:



2. Name the following alkanes:

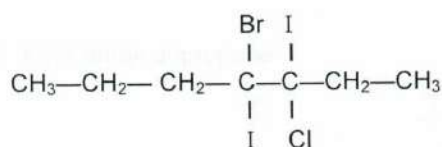


3. Name the following alkyl halides:



2,3-dichloropentane

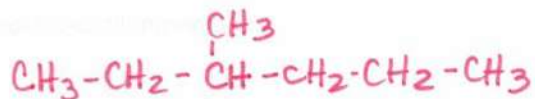
b.



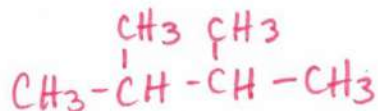
4-bromo-3-chloro-3,4-diiodoheptane

5. Draw the following alkanes:

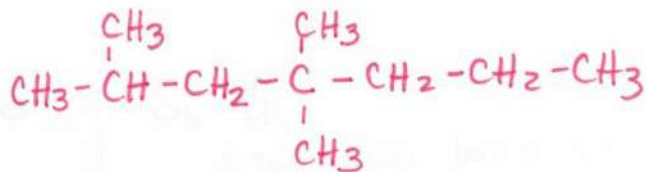
a. 3-methylhexane



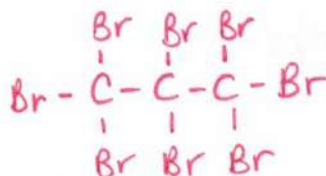
b. 2,3-dimethylbutane



c. 2,4,4-trimethylheptane

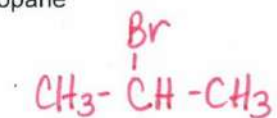


d. octabromopropane

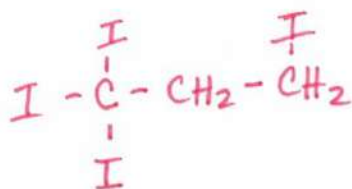


6. Draw the following alkyl halides:

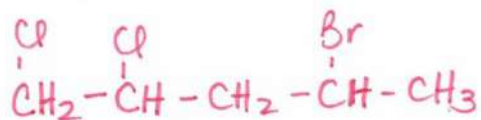
a. 2-bromopropane



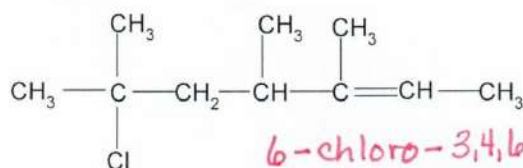
b. 1,1,1,3-tetraiodopropane



c. 4-bromo-1,2-dichloropentane

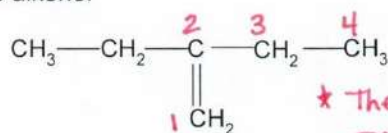


7. Name this alkene:



6-chloro-3,4,6-trimethyl hept-2-ene

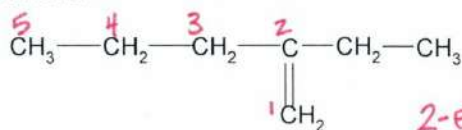
8. Name this alkene:



* The double bond must be part of the longest chain.

2-ethylbut-1-ene

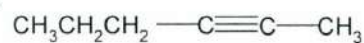
9. Name this alkene:



2-ethyl pent-1-ene

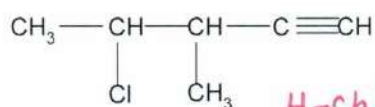
10. Name the following alkynes:

a.



hex-2-yne

b.



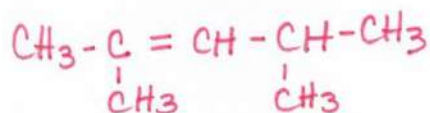
4-chloro-3-methyl pent-1-yne

11. Draw the structural formula for:

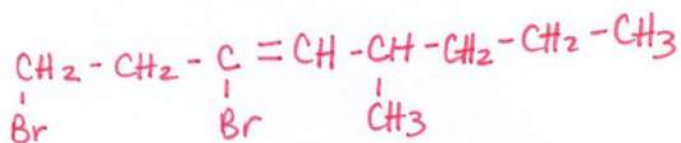
a. pent-1-ene



b. 2,4-dimethyl pent-2-ene



c. 1,3-dibromo-5-methyl oct-3-ene



d. hept-2,4-diene

