

5. Draw the structural formulas for the following:

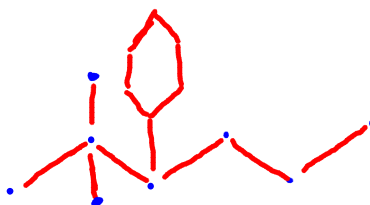
a. 3-heptyne



b. cyclopentene



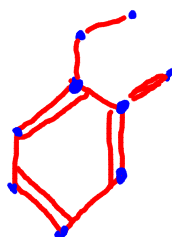
c. 3-phenyl-2,2-dimethylhexane



d. 1,3-butadiene



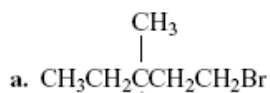
e. 1-ethyl-2-methylbenzene



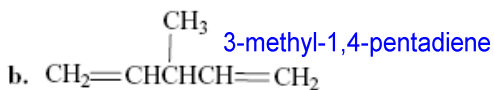
f. 2,4-dimethyl-2-pentene



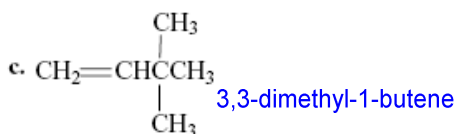
7. Name the following compounds.



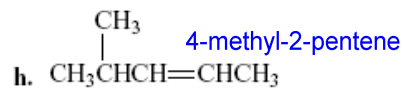
1-bromo-3-methyl-3-ethylpentane



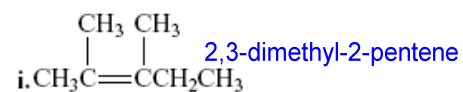
3-methyl-1,4-pentadiene



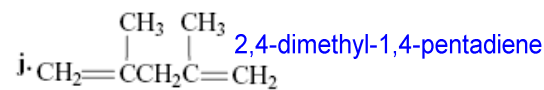
3,3-dimethyl-1-butene



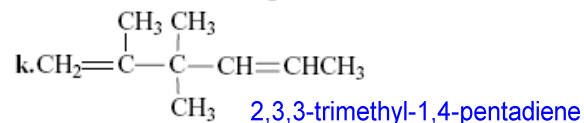
4-methyl-2-pentene



2,3-dimethyl-2-pentene



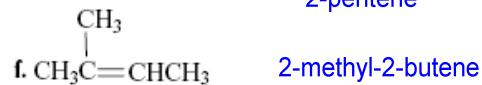
2,4-dimethyl-1,4-pentadiene



2,3,3-trimethyl-1,4-pentadiene

d. $\text{C}_6\text{H}_5\text{Cl}$ 1-chloro-1,2,3,4-hexatriene (*Yikes!*)

e. $\text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3$ 2-pentene



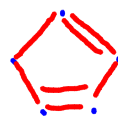
g. $\text{CH}_3\text{CH}_2\text{CH}=\text{CH}_2$ 1-butene

8. Draw structural formulas for the following.

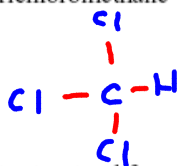
a. 3-heptene



e. 1,3-cyclopentadiene



c. trichloromethane



h. 2-bromo-3-methyl-2-butene



9. Write structural formulas for the following compounds.

a. 2-chlorobutane



i. 1-butanol



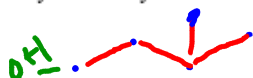
b. 2-butene



j. 3-methyl-2-pentene



c. 2-ethyl-3-methyl-1-butanol



k. 2-ethyl-4-methylpentanal



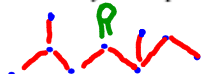
d. 3,3-dimethylbutanoic acid



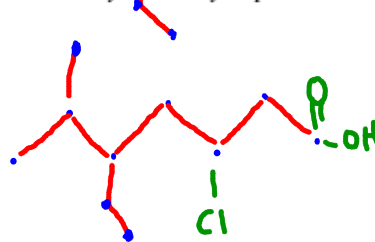
l. 3-ethyl-2,4-dimethyl-3-hexanol



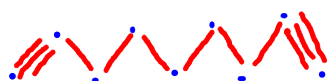
e. 2,5,5-trimethyl-4-heptone



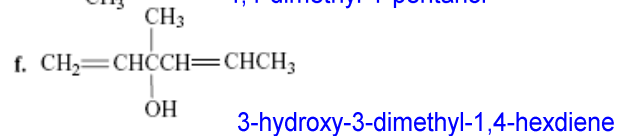
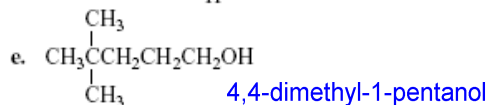
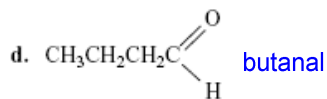
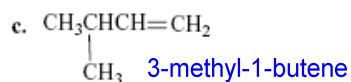
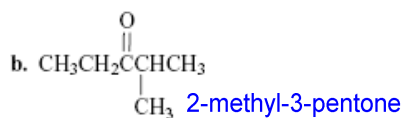
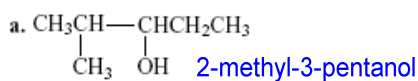
m. 5-chloro-3-ethyl-2-methylheptanoic acid



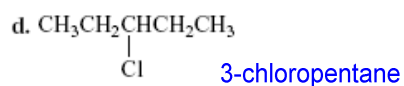
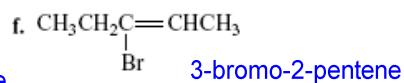
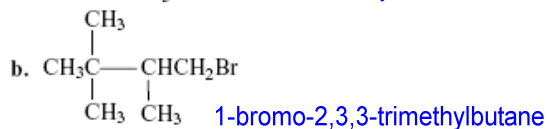
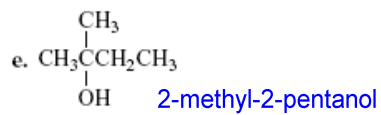
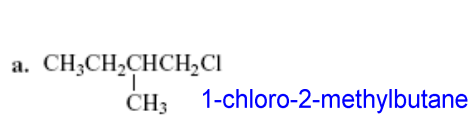
f. 1,8-nonadiyne



10. Name the following organic compounds.



11. Name the following organic compounds.



13. Draw structural formulas for the following.

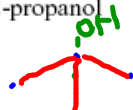
a. Ethanal



b. 2-butanone



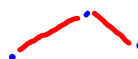
c. 2-methyl-2-propanol



d. ethanoic acid



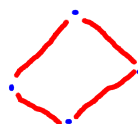
f. propane



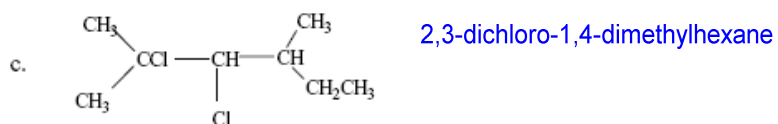
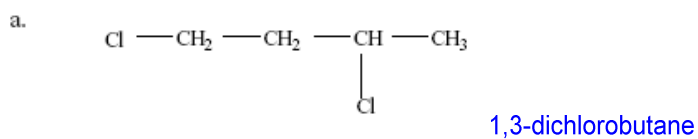
g. 2-pentyne



h. cyclobutane

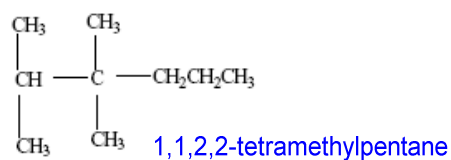


20. Name each of the following:

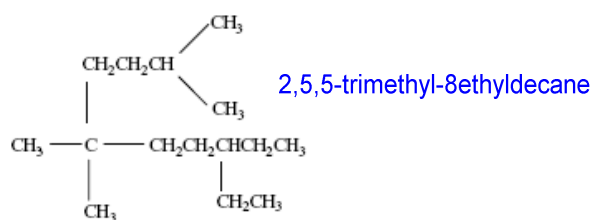


16. Name each of the following:

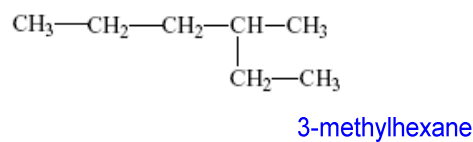
a.



b.

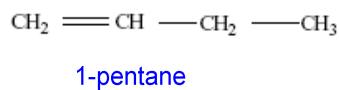


c.

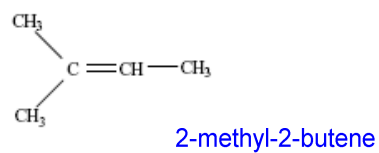


17. Name each of the following alkenes.

a.



b.



c.

