

5. Draw the structural formulas for the following:

a. 3-heptyne

b. cyclopentene

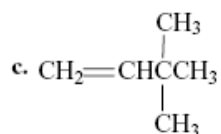
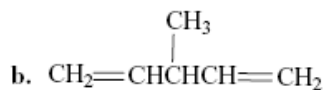
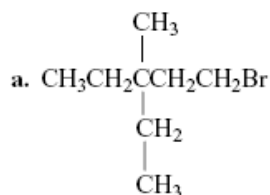
c. 3-phenyl-2,2-dimethylhexane

d. 1,3-butadiene

e. 1-ethyl-2-methylbenzene

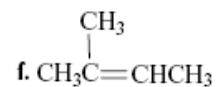
f. 2,4-dimethyl-2-pentene

7. Name the following compounds.

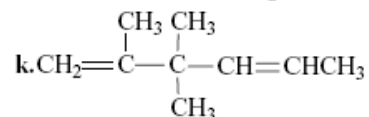
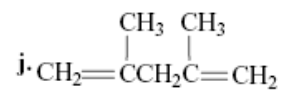
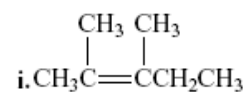
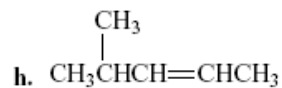


d. $\text{C}_6\text{H}_5\text{Cl}$

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



g. $\text{CH}_3\text{CH}_2\text{CH}=\text{CH}_2$



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

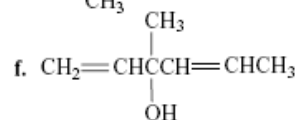
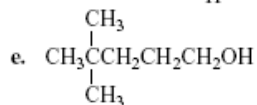
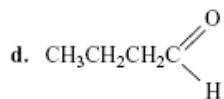
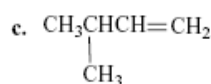
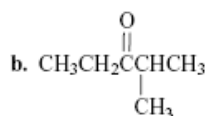
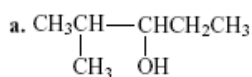
l. 3-ethyl-2,4-dimethyl-3-hexanol

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

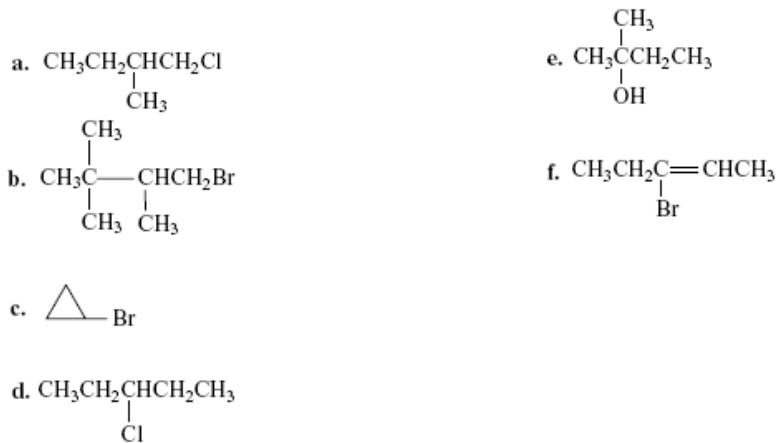
m. 5-chloro-3-ethyl-2-methylheptanoic acid

f. 1,8-nonadiyne

10. Name the following organic compounds.



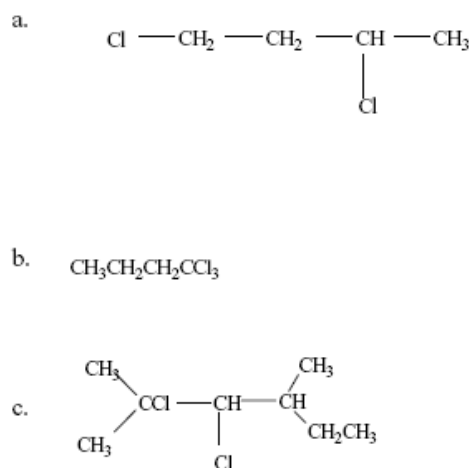
11. Name the following organic compounds.



13. Draw structural formulas for the following.

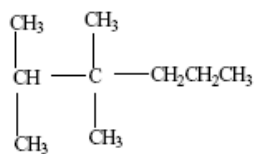
- a. Ethanal
- b. 2-butanone
- c. 2-methyl-2-propanol
- d. ethanoic acid
- f. propane
- g. 2-pentyne
- h. cyclobutane

20. Name each of the following:

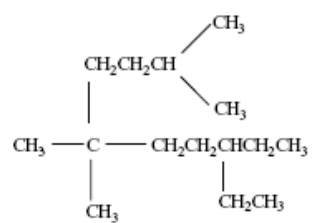


16. Name each of the following:

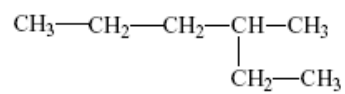
a.



b.



c.

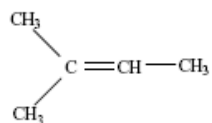


17. Name each of the following alkenes.

a.



b.



c.

