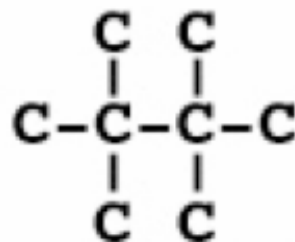


Answers found at end.

Fill in the name or formula for the following open-chain hydrocarbons (no cycloalkanes):

1. C_3H_8 _____

22. Name the following molecule:

2. C_5H_8 _____3. C_2H_4 _____4. C_7H_{16} _____5. C_4H_{10} _____6. C_8H_{16} _____7. C_9H_{16} _____8. $C_{10}H_{22}$ _____

9. _____ butene

23. Draw the molecule:

10. _____ octyne

3-ethyl-2,2,5,5-tetramethyloctane

11. _____ propene

12. _____ pentane

13. _____ nonene

14. _____ ethyne

15. _____ hexyne

16. - 21. Draw and name the three isomers of pentane:

Answer key; sample quiz appears on the Chemistry 222 website. Answers appear in **bold**.

Fill in the name or formula for the following open-chain hydrocarbons (no cycloalkanes):

1. C_3H_8 propane

2. C_5H_8 pentyne

3. C_2H_4 ethene

4. C_7H_{16} heptane

5. C_4H_{10} butane

6. C_8H_{16} octene

7. C_9H_{16} nonyne

8. $C_{10}H_{22}$ decane

9. C_4H_8 butene

10. C_8H_{14} octyne

11. C_3H_6 propene

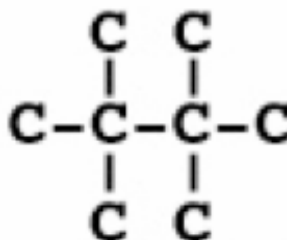
12. C_5H_{12} pentane

13. C_9H_{18} nonene

14. C_2H_2 ethyne

15. C_6H_{10} hexyne

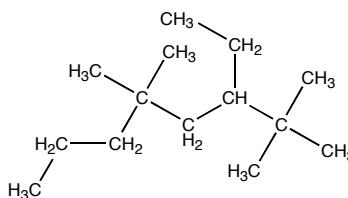
22. Name the following molecule:



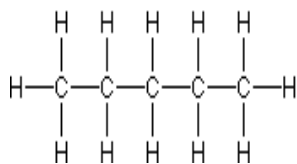
2,2,3,3-tetramethylbutane

23. Draw the molecule:

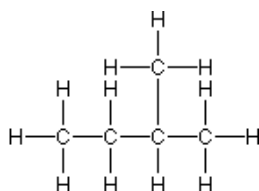
3-ethyl-2,2,5,5-tetramethyloctane



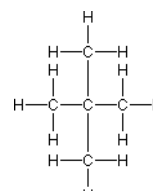
16. - 21. Draw and name the three isomers of pentane:



***n*-pentane**



2-methylbutane



2,2-dimethylpropane