

11 • Carbon Chemistry

HYDROCARBONS

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

1. C_3H_8 _____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

10. _____ octyne

11. _____ propene

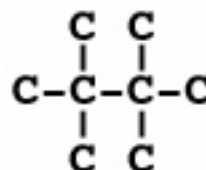
12. _____ pentane

13. _____ nonene

14. _____ ethyne

15. _____ hexyne

22. Name the following molecule:



23. Draw the molecule:

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

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