

## Worksheet: Naming and Drawing Alkanes

For each alkane write the correct IUPAC name



For each, draw a structural diagram (line, condensed or complete)

1. 2-methylpentane

2. 2,3,4-trimethylheptane

3. 4-butyl-6-ethyl-2,5-dimethylnonane

4. octane

5. 2,3-dimethylbutane

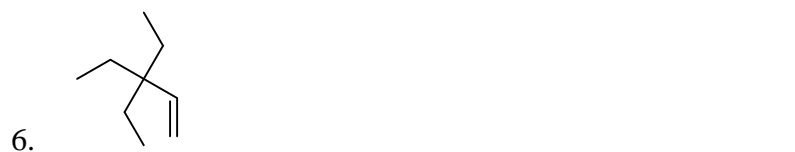
6. 3,3-dimethylhexane

7. 3-ethyl-3-methylhexane

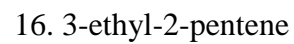
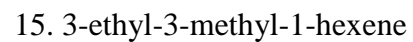
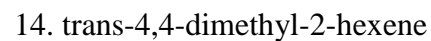
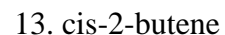
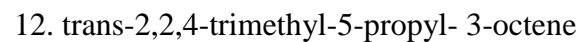
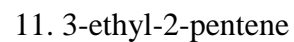
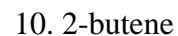
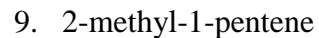
8. 5,5-diethyl-2,2,4,4-tetramethyloctane

## Worksheet: Naming and Drawing Alkenes

For each alkene write the correct IUPAC name



For each, draw a structural diagram (line, condensed or complete)



## Worksheet: Naming and Drawing Alkynes and Cyclic Hydrocarbons

For each write the correct IUPAC name



For each, draw a structural diagram (line, condensed or complete)

17. 3-heptyne

18. 4-methyl-2-pentyne

19. 3,4,6-triethyl-5,7-dimethyl-1-nonyne

20. trans-2,2,4-trimethyl-5-propyl-3-octene

21. 4-octyne

22. 1-methylcyclohexene

23. 3,5-dimethylcyclohexene

24. cyclopropane