

Organic Chemistry Nomenclature Worksheet

Part One: Name these alkanes (C_nH_{2n+2})

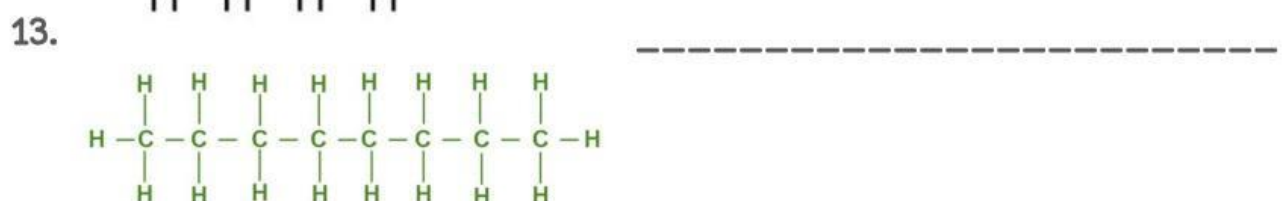
1. C_6H_{14} _____
2. C_4H_{10} _____
3. C_3H_8 _____
4. C_9H_{20} _____
5. CH_4 _____

Prefix	# C atoms
meth-	1
eth-	2
prop-	3
but-	4
pent-	5
hex-	6
hept-	7
oct-	8
non-	9
dec-	10

Part Two: Write the formulas

6. Ethane _____
7. Decane _____
8. Pentane _____
9. Octane _____
10. Heptane _____

Part Three: Write the names and formulas



Part Four: Draw these alkanes

Name	Structural Diagram	Shortcut Diagram
15. Pentane		
16. Hexane		
17. Nonane		
18. Propane		

Part Five: Name these alkenes (C_nH_{2n}) and alkynes (C_nH_{2n-2})

19. C_3H_6 _____

20. C_3H_4 _____

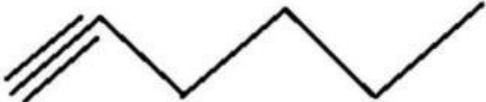
21. C_7H_{14}

22. C_9H_{16}

23. C_2H_4 _____

24. $\begin{array}{c} \text{H} & & \text{H} \\ & \backslash & / \\ & \text{C} = \text{C} \\ & / & \backslash \\ \text{H} & & \text{H} \end{array}$ _____

25. _____

26.  _____