

Tabela 1 Alcanos Simples

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
1 . Metano	CH ₄	$ \begin{array}{c} \text{H} \\ \\ \text{H} - \text{C} - \text{H} \\ \\ \text{H} \end{array} \quad \text{ou} \quad \begin{array}{c} \text{H} \\ \\ \text{C} \\ / \quad \backslash \\ \text{H} \quad \text{H} \end{array} $
2 . Etano	C ₂ H ₆	$ \begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{H} - \text{C} - \text{C} - \text{H} \\ \quad \\ \text{H} \quad \text{H} \end{array} $

Tabela 2 Alcanos Simples

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
3 . Propano	C_3H_8	$ \begin{array}{ccccccc} & H & & H & & H & \\ & & & & & & \\ H & - C & - & C & - & C & - H \\ & & & & & & \\ & H & & H & & H & \end{array} $
4 . Butano	C_4H_{10}	$ \begin{array}{cccccccc} & H & & H & & H & & H & \\ & & & & & & & & \\ H & - C & - & C & - & C & - & C & - H \\ & & & & & & & & \\ & H & & H & & H & & H & \end{array} $

Tabela 3 Alcanos Simples

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
5 . Pentano	C_5H_{12}	$ \begin{array}{ccccccccc} & H & & H & & H & & H & & H \\ & & & & & & & & & \\ H & -C & - & C & - & C & - & C & - & C & -H \\ & & & & & & & & & \\ & H & & H & & H & & H & & H \end{array} $
6 . Hexano	C_6H_{14}	$ \begin{array}{ccccccccc} & H & & H & & H & & H & & H & & H \\ & & & & & & & & & & & \\ H & -C & - & C & - & C & - & C & - & C & - & C & -H \\ & & & & & & & & & & & \\ & H & & H & & H & & H & & H & & H \end{array} $

Tabela 4 Alcanos Simples

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
7 . Heptano	C_7H_{16}	<pre> H H H H H H H H — C — C — C — C — C — C — C — H H H H H H H H </pre>
8 . Octano	C_8H_{18}	<pre> H H H H H H H H H — C — C — C — C — C — C — C — C — H H H H H H H H H </pre>

Tabela 5 Alcanos Simples

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
9 . Nonano	C_9H_{20}	$ \begin{array}{ccccccccccc} & H & H & H & H & H & H & H & H & H & \\ & & & & & & & & & & \\ H & -C & -C & -C & -C & -C & -C & -C & -C & -C & -H \\ & & & & & & & & & & \\ & H & H & H & H & H & H & H & H & H & \end{array} $
10 . Decano	$C_{10}H_{22}$	$ \begin{array}{cccccccccccc} & H & H & H & H & H & H & H & H & H & H & \\ & & & & & & & & & & & \\ H & -C & -C & -C & -C & -C & -C & -C & -C & -C & -C & -H \\ & & & & & & & & & & & \\ & H & H & H & H & H & H & H & H & H & H & \end{array} $

Tabela 6 Alcenos Simples

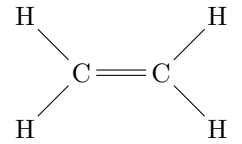
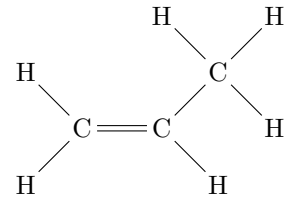
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
11 . Eteno	C_2H_4	
12 . Propeno	C_3H_6	

Tabela 7 Alcenos Simples

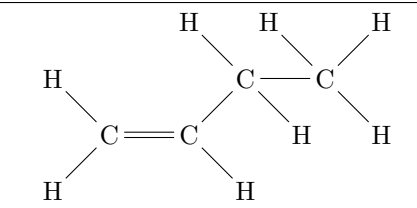
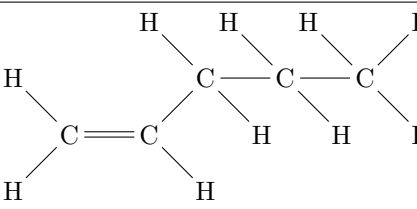
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
13 . Buteno	C_4H_8	
14 . Penteno	C_5H_{10}	

Tabela 8 Alcenos Simples

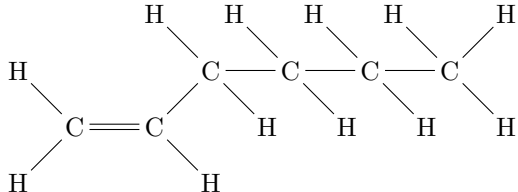
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
15 . Hexeno	C_6H_{12}	

Tabela 9 Alcinos Simples

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
16 . Etino ou Acetileno	C_2H_2	$H - C \equiv C - H$
17 . Propino	C_3H_4	$ \begin{array}{c} H \\ \\ H - C \equiv C - C - H \\ \\ H \end{array} $
18 . Butino	C_4H_6	$ \begin{array}{c} H \quad H \\ \quad \\ H - C \equiv C - C - C - H \\ \quad \\ H \quad H \end{array} $

Tabela 10 Alcinos Simples

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
19 . Pentino	C_5H_8	$ \begin{array}{ccccccc} & & & H & H & H & \\ & & & & & & \\ H & - & C \equiv C & - & C & - & C & - & C & - & H \\ & & & & & & \\ & & & H & H & H & \end{array} $
20 . Hexino	C_6H_{10}	$ \begin{array}{cccccccc} & & & H & H & H & H & \\ & & & & & & & \\ H & - & C \equiv C & - & C & - & C & - & C & - & C & - & H \\ & & & & & & & \\ & & & H & H & H & H & \end{array} $

Tabela 11 Cicloalcanos

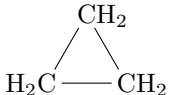
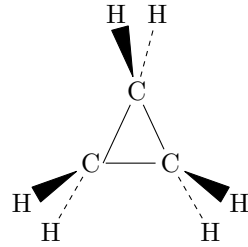
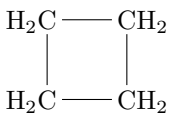
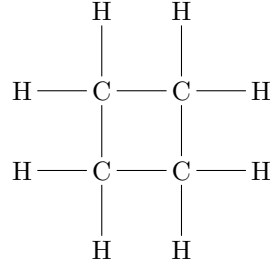
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
21 . Ciclopropano	C_3H_6	 ou 
22 . Ciclobutano	C_4H_8	 ou 

Tabela 12 Cicloalcanos

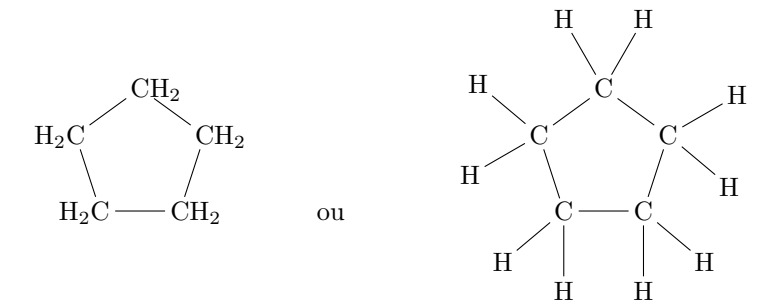
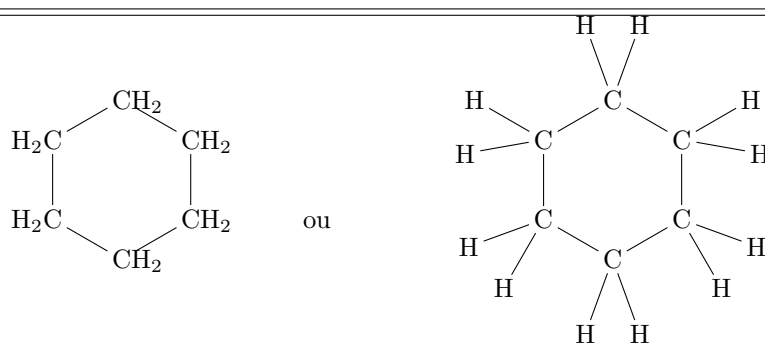
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
23 . Ciclopentano	C_5H_{10}	
24 . Ciclohexano	C_6H_{12}	

Tabela 13 Ciclenos

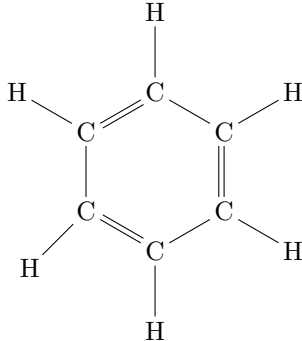
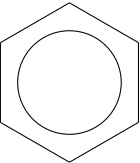
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
25 . Anel Benzeno	C_6H_6	 <p>ou</p> 

Tabela 14 Hidrocarboneto aromático policíclico.

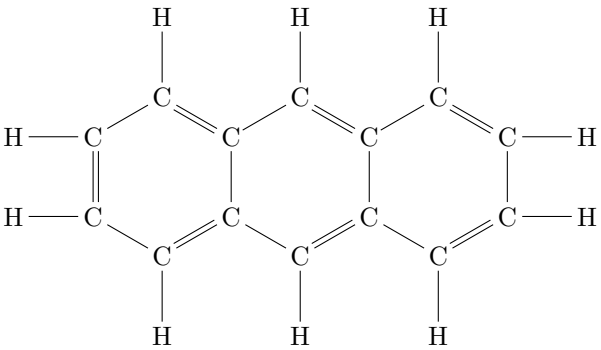
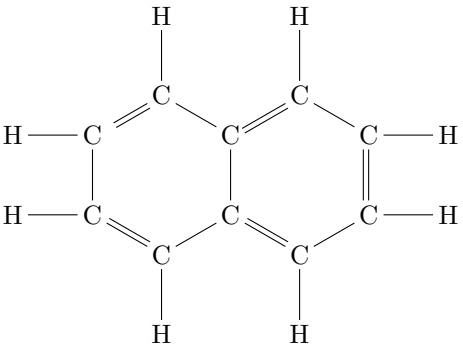
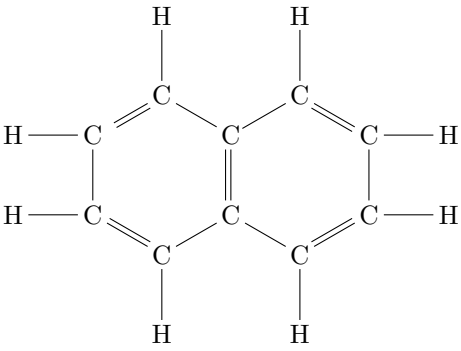
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
26 . Antraceno	$C_{14}H_{10}$	
27 . Naftaleno	$C_{10}H_8$	 ou 

Tabela 15 Outros Elementos

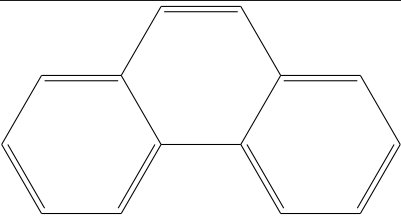
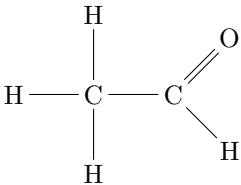
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
28 . Fenantreno	$C_{14}H_{10}$	
29 . Etanal aldeído	C_2H_4O	

Tabela 16 Outros Elementos

Nome do elemento	Fórmula molecular	Fórmula estrutural plana
30 . Etenol	C_2H_3OH	
31 . Propanona	$CH_3(CO)CH_3$	

Tabela 18 Outros Elementos

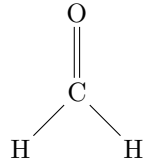
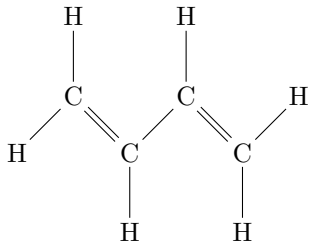
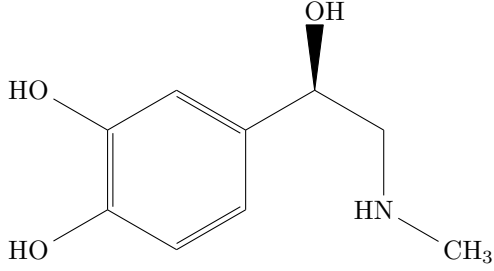
Nome do elemento	Fórmula molecular	Fórmula estrutural plana
32 . Metanal	CH_2O	
33 . Butadieno	C_4H_6 (parecido com o Butino)	

Tabela 19 Outros Elementos

Nome da fórmula	Fórmula Linear	Fórmula Estrutural
34 . Glucose	$C_6H_{12}O_6$	

Tabela 20 Outros Elementos

Nome da fórmula	Fórmula Linear	Fórmula Estrutural
35 . Adrenalina	$C_9H_{13}NO_3$	
36 . Guanina	$C_5H_5N_5O$	