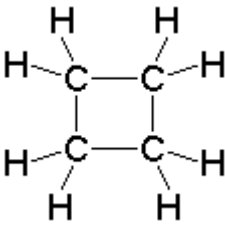
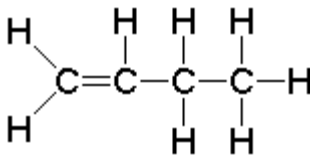
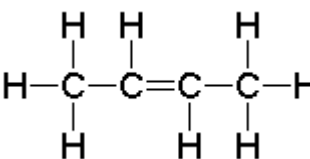
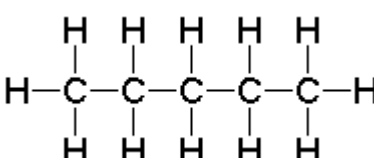
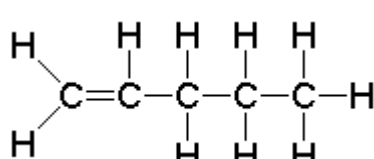
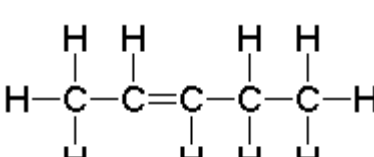
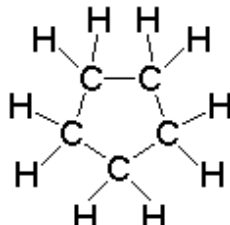


Sumární a strukturní vzorce uhlovodíků (1) – řešení

Název	Sumární vzorec	Strukturní vzorec
Methan	CH₄	$ \begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{H} \\ \\ \text{H} \end{array} $
Ethan	C₂H₆	$ \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} $
Ethen (ethylen)	C₂H₄	$ \begin{array}{c} \text{H} \quad \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C}=\text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \quad \text{H} \end{array} $
Ethyn (acetylen)	C₂H₂	$ \text{H}-\text{C}\equiv\text{C}-\text{H} $
Cyklopropan	C₃H₆	$ \begin{array}{c} \text{H} \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C} \quad \text{C} \\ \diagup \quad \diagdown \\ \text{H} \quad \text{H} \end{array} $
Propan	C₃H₈	$ \begin{array}{c} \text{H} \quad \text{H} \quad \text{H} \\ \quad \quad \\ \text{H}-\text{C}-\text{C}-\text{C}-\text{H} \\ \quad \quad \\ \text{H} \quad \text{H} \quad \text{H} \end{array} $
Propen (propylen)	C₃H₆	$ \begin{array}{c} \text{H} \quad \quad \text{H} \quad \text{H} \\ \diagdown \quad \diagup \quad \\ \text{C}=\text{C}-\text{C}-\text{H} \\ \diagup \quad \quad \\ \text{H} \quad \quad \text{H} \end{array} $
Propyn	C₃H₄	$ \begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}\equiv\text{C}-\text{C}-\text{H} \\ \\ \text{H} \end{array} $
Butan	C₄H₁₀	$ \begin{array}{c} \text{H} \quad \text{H} \quad \text{H} \quad \text{H} \\ \quad \quad \quad \\ \text{H}-\text{C}-\text{C}-\text{C}-\text{C}-\text{H} \\ \quad \quad \quad \\ \text{H} \quad \text{H} \quad \text{H} \quad \text{H} \end{array} $

Sumární a strukturní vzorce uhlovodíků (1) – řešení

Cyklobutan	C_4H_8	
But-1-en	C_4H_8	
But-2-en	C_4H_8	
Pentan	C_5H_{12}	
Pent-1-en	C_5H_{10}	
Pent-2-en	C_5H_{10}	
Cyklopentan	C_5H_{10}	
Cyklohexan	C_6H_{12}	