


Fill in the blanks of the following table:




Alkane & Formula	Structural Formula	Condensed Structural Formula	Carbon Skeleton Formula
Butane C ₄ H ₁₀			
		CH ₃ CH ₂ CH ₃	
Ethane C ₂ H ₆			
	$\begin{array}{ccccccc} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \\ & & & & & & \\ \text{H} & -\text{C} & -\text{C} & -\text{C} & -\text{C} & -\text{C} & -\text{H} \\ & & & & & & \\ & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \end{array}$		

[Chemistry 11] [Class Starter]

Name: _____

Block: _____

Fill in the blanks of the following table:

Alkane & Formula	Structural Formula	Condensed Structural Formula	Carbon Skeleton Formula
Butane C ₄ H ₁₀	$ \begin{array}{cccc} & H & H & H & H \\ & & & & \\ H & - C & - C & - C & - C - H \\ & & & & \\ & H & H & H & H \end{array} $	CH ₃ CH ₂ CH ₂ CH ₃	
Propane C ₃ H ₈	$ \begin{array}{ccc} & H & H & H \\ & & & \\ H & - C & - C & - C - H \\ & & & \\ & H & H & H \end{array} $	C(CH ₃) ₂ H ₂	
Ethane C ₂ H ₆	$ \begin{array}{cc} & H & H \\ & & \\ H & - C & - C - H \\ & & \\ & H & H \end{array} $	CH ₃ CH ₃	
Pentane C ₅ H ₁₂	$ \begin{array}{ccccc} & H & H & H & H & H \\ & & & & & \\ H & - C & - C & - C & - C & - C - H \\ & & & & & \\ & H & H & H & H & H \end{array} $	CH ₃ CH ₂ CH ₂ CH ₂ CH ₃	