


[Chemistry 11] [Class Starter]

Name: _____

Block: _____

Fill in the blanks of the following table:

Alkane & Formula	Structural Formula	Condensed Structural Formula	Carbon Skeleton Formula
	$ \begin{array}{ccccccccc} & \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} $		
		CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃	
Nonane C ₉ H ₂₀			
Butane C ₄ H ₁₀			

Fill in the blanks of the following table:

Alkane & Formula	Structural Formula	Condensed Structural Formula	Carbon Skeleton Formula
Pentane C_5H_{12}	$ \begin{array}{cccccc} & H & H & H & H & H \\ & & & & & \\ H & - C & - C & - C & - C & - C - H \\ & & & & & \\ & H & H & H & H & H \end{array} $	$CH_3CH_2CH_2CH_2CH_3$	
Heptane C_7H_{16}	$ \begin{array}{cccccccc} & H & H & H & H & H & H & H \\ & & & & & & & \\ H & - C & - C & - C & - C & - C & - C & - C - H \\ & & & & & & & \\ & H & H & H & H & H & H & H \end{array} $	$CH_3CH_2CH_2CH_2CH_2CH_2CH_3$	
Nonane C_9H_{20}	$ \begin{array}{cccccccccc} & 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} $	$CH_3CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_3$	
Butane C_4H_{10}	$ \begin{array}{cccc} & H & H & H & H \\ & & & & \\ H & - C & - C & - C & - C - H \\ & & & & \\ & H & H & H & H \end{array} $	$CH_3CH_2CH_2CH_3$	