

Honors Chemistry – Hydrocarbon structures and formulas practice

NAME	Formula	Condensed formula	Structural formula
	CH ₄	CH ₄	
	C ₂ H ₆	CH ₃ CH ₃	
Propane	C ₃ H ₈		
Butane		CH ₃ CH ₂ CH ₂ CH ₃	
Pentane			<pre> H H H H H H - C - C - C - C - C - H H H H H H </pre>
Hexane		CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃	
Heptane	C ₇ H ₁₆		
		CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃	
Nonane			<pre> 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 </pre>
		CH ₃ (CH ₂) ₈ CH ₃	
		CH ₂ =CH ₂	
Ethyne			H-C≡C-H
Propene			
	C ₃ H ₄		