

Typical Bond Lengths (in Å)

C — H Bonds		C — C Bonds		Other Bonds	
$\text{H}_3\text{C} - \text{H}$	1.091	$\text{H}_3\text{C} - \text{CH}_3$	1.541	$\text{C} - \text{N}$	1.47
$\begin{array}{c} \\ \text{H}_2\text{C} - \text{H} \end{array}$	1.101	$\text{H}_2\text{C} = \text{CH}_2$	1.337	$\text{C} = \text{N}$	1.30
$\begin{array}{c} \\ \text{HC} - \text{H} \\ \end{array}$	1.073	$\text{HC} \equiv \text{CH}$	1.204	$\text{C} \equiv \text{N}$	1.16
$\begin{array}{c} \\ -\text{C} - \text{H} \\ \end{array}$	1.070			$\text{C} - \text{O}$	1.43
$\begin{array}{c} \\ =\text{C} - \text{H} \end{array}$	1.07			$\text{C} = \text{O}$	1.23
$\equiv \text{C} - \text{H}$	1.056			$\text{C} - \text{Cl}$	1.77
				$\text{C} - \text{Br}$	1.94
				$\text{C} - \text{I}$	2.13
				$\text{N} - \text{H}$	1.04
				$\text{O} - \text{H}$	0.97