

The table shows some representative examples of some of the more common bonds.

		kJ/mol	kcal/mol
<b>Homonuclear diatomics</b>	H-H	435	104
	F-F	159	38
	Cl-Cl	242	58
	Br-Br	192	46
	I-I	150	36
<b>H-X bonds</b>	H-F	568	136
	H-Cl	431	103
	H-Br	366	87.5
	H-I	297	71
	H-OH	497	119
	CH <sub>3</sub> O-H	426	102
<b>C-H bonds</b>	CH <sub>3</sub> -H	435	104
	CH <sub>3</sub> CH <sub>2</sub> -H	410	98
	(CH <sub>3</sub> ) <sub>2</sub> CH-H	397	95
	(CH <sub>3</sub> ) <sub>3</sub> C-H	380	91
	C=C-H	450	108
	C≡C-H	535	128
	Ar-H	460	110
	C=CCH <sub>2</sub> -H	368	88
	ArCH <sub>2</sub> -H	355	85
<b>C-C bonds</b>	CH <sub>3</sub> -CH <sub>3</sub>	368	88
	CH <sub>3</sub> CH <sub>2</sub> -CH <sub>3</sub>	355	85
	(CH <sub>3</sub> ) <sub>2</sub> CH-CH <sub>3</sub>	351	84
	(CH <sub>3</sub> ) <sub>3</sub> C-CH <sub>3</sub>	334	80
<b>C-X bonds</b>	CH <sub>3</sub> -NH <sub>2</sub>	364	87
	CH <sub>3</sub> -OH	380	91
	CH <sub>3</sub> -F	451	108
	CH <sub>3</sub> -Cl	349	83.5
	CH <sub>3</sub> -Br	293	70
	CH <sub>3</sub> -I	234	56
<b>Multiple bonds</b>	C=C	611	146
	C≡C	837	200

	C=N	615	147
	C=N	891	213
	C=O	749	179