

Common Bond Lengths and Energies.¹

Bond Type	Length (Å)	BDE (kcal)
C—C	1.5	146
C—H	1.1	81
N—H	1.0	81
O—H	0.96	103
H—H	0.7	104
H—F	0.92	136
H—Cl	1.3	103
H—Br	1.4	87
H—I	1.6	71
Li—H	1.6	57
Na—H	1.9	44
K—H	2.2	42
Li—Cl	2.0	103
Na—Cl	2.4	98
K—Cl	2.7	103

¹ Values rounded from David R. Lide, ed., CRC Handbook of Chemistry and Physics, Internet Version 2005, <<http://www.hbcnetbase.com>>, CRC Press, Boca Raton, FL, 2005