

Table 1.8 Electron affinities of the main-group elements (in electronvolts*)

H							He
0.754							-0.5
Li	Be	B	C	N	O	F	Ne
0.618	-0.5	0.277	1.263	-0.07	1.461	3.399	1.2
					-8.75		
Na	Mg	Al	Si	P	S	Cl	Ar
0.548	-0.4	0.441	1.385	0.747	2.077	3.617	-1.0
					-5.51		
K	Ca	Ga	Ge	As	Se	Br	Kr
0.502	-0.3	0.30	1.2	0.81	2.021	3.365	-1.0
Rb	Sr	In	Sn	Sb	Te	I	Xe
0.486	-0.3	0.3	1.2	1.07	1.971	3.059	-0.8

*To convert to kJ mol^{-1} , multiply by 96.485.

The first values refer to the formation of the ion X^- from the neutral atom X , the second value to the formation of X^{2-} from X^- .

Source: H. Hotop and W. C. Lineberger, *J. Phys. Chem. Ref. Data*, **14**, 731 (1985)