

S sublevels

P sublevels

d sublevels

f sublevels

Periodic Table of the Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
+1																	0	
* 1 H 1.01 1s	* Diatomic ○ Transition Metal Requiring Roman Numeral ex: Pt → 1s ² 2s ² 2p ⁶ 3s ² 3p ⁶ 4s ² 3d ¹⁰ 4p ⁶ 5s ² 4d ¹⁰ 5p ⁶ 6s ² 4f ¹⁴ 5d ⁸ or [Xe] 6s ² 4f ¹⁴ 5d ⁸																1s 2 He 4.00	
3 Li 6.94 2s	4 Be 9.01 2s												+3 5 B 10.81	+4/-4 6 C 12.01	-3 * 7 N 14.01 2p	-2 * 8 O 16.00	-1 * 9 F 19.00	10 Ne 20.18
11 Na 22.99 3s	12 Mg 24.30 3s												13 Al 26.98	14 Si 28.09	15 P 30.97 3p	16 S 32.06	* 17 Cl 35.45	18 Ar 39.95
19 K 39.10 4s	20 Ca 40.08 4s	21 Sc 44.96	22 Ti 47.87	23 V 50.94	24 Cr 52.00	25 Mn 54.94 3d	26 Fe 55.84	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 +2 Zn 65.38	31 Ga 69.72	32 Ge 72.64	33 As 74.92 4p	34 Se 78.96	* 35 Br 79.90	36 Kr 83.80	
37 Rb 85.47 5s	38 Sr 87.62 5s	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.96	43 Tc [98] 4d	44 Ru 101.07	45 Rh 102.91	46 Pd 106.42	47 +1 Ag 107.87	48 Cd 112.41	49 In 114.82	50 Sn 118.71	51 Sb 121.76 5p	52 Te 127.60	* 53 I 126.90	54 Xe 131.29	
55 Cs 132.91 6s	56 Ba 137.33 6s												81 Tl 204.38	82 Pb 207.20	83 Bi 208.99 6p	84 Po [209]	85 At [210]	86 Rn [222]
87 Fr [223] 7s	88 Ra [226] 7s												113 Nh [284]	114 Fl [289]	115 Mc [288] 7p	116 Lv [293]	117 Ts [294]	118 Og [294]
		‡ Lanthanides	57 La 138.91	58 Ce 140.116	59 Pr 140.90765	60 Nd 144.242	61 Pm [145]	62 Sm 150.36	63 Eu 151.964	64 Gd 157.25 4f	65 Tb 158.92535	66 Dy 162.500	67 Ho 164.93032	68 Er 167.259	69 Tm 168.93421	70 Yb 173.054	71 Lu 174.9668	
		⊠ Actinides	89 Ac [227]	90 Th 232.03806	91 Pa 231.03588	92 U 238.02891	93 Np [237]	94 Pu [244]	95 Am [243]	96 Cm [247] 5f	97 Bk [247]	98 Cf [251]	99 Es [252]	100 Fm [257]	101 Md [258]	102 No [259]	103 Lr [262]	