

Electron Configuration

		$f(n - 2)$														$d(n - 1)$										p						
		f^1	f^2	f^3	f^4	f^5	f^6	f^7	f^8	f^9	f^{10}	f^{11}	f^{12}	f^{13}	f^{14}	d^1	d^2	d^3	d^4	d^5	d^6	d^7	d^8	d^9	d^{10}	p^1	p^2	p^3	p^4	p^5	p^6	
1	s^1 1 H																															2 He
2	s^2 3 Li, 4 Be																															5 B, 6 C, 7 N, 8 O, 9 F, 10 Ne
3	11 Na, 12 Mg																															13 Al, 14 Si, 15 P, 16 S, 17 Cl, 18 Ar
4	19 K, 20 Ca																															21 Sc, 22 Ti, 23 V, 24 Cr, 25 Mn, 26 Fe, 27 Co, 28 Ni, 29 Cu*, 30 Zn, 31 Ga, 32 Ge, 33 As, 34 Se, 35 Br, 36 Kr
5	37 Rb, 38 Sr																															37 Rb, 38 Sr, 39 Y, 40 Zr, 41 Nb, 42 Mo, 43 Tc, 44 Ru, 45 Rh, 46 Pd*, 47 Ag*, 48 Cd, 49 In, 50 Sn, 51 Sb, 52 Te, 53 I, 54 Xe
6	55 Cs, 56 Ba	57 La*, 58 Ce*, 59 Pr, 60 Nd, 61 Pm, 62 Sm, 63 Eu, 64 Gd*, 65 Tb, 66 Dy, 67 Ho, 68 Er, 69 Tm, 70 Yb																							55 Cs, 56 Ba, 57 La*, 58 Ce*, 59 Pr, 60 Nd, 61 Pm, 62 Sm, 63 Eu, 64 Gd*, 65 Tb, 66 Dy, 67 Ho, 68 Er, 69 Tm, 70 Yb, 71 Lu, 72 Hf, 73 Ta, 74 W, 75 Re, 76 Os, 77 Ir, 78 Pt*, 79 Au*, 80 Hg, 81 Tl, 82 Pb, 83 Bi, 84 Po, 85 At, 86 Rn							
7	87 Fr, 88 Ra	89 Ac*, 90 Th*, 91 Pa*, 92 U*, 93 Np*, 94 Pu, 95 Am, 96 Cm*, 97 Bk, 98 Cf, 99 Es, 100 Fm, 101 Md, 102 No																							87 Fr, 88 Ra, 89 Ac*, 90 Th*, 91 Pa*, 92 U*, 93 Np*, 94 Pu, 95 Am, 96 Cm*, 97 Bk, 98 Cf, 99 Es, 100 Fm, 101 Md, 102 No, 103 Lr, 104 Rf, 105 Ha, 106 Sg, 107 Ns, 108 Hs, 109 Mt, 110 Uun, 111 Uuu, 112 Uub, 113, 114, 115, 116, 117, 118							

$n = \text{energy level}$

*Exceptions