



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