

How Electrons fill Orbitals and their Sublevels

		Groups																	
												3	4	5		6	7	8	
Periods	1	1s H																	1s He
	2	2s Li Be											B	C	2p N O		F	Ne	
	3	3s Na Mg											Al	Si	3p P S		Cl	Ar	
	4	4s K Ca	Sc	Ti	V	Cr	3d Mn Fe		Co	Ni	Cu	Zn	Ga	Ge	4p As Se		Br	Kr	
	5	5s Rb Sr	Y	Zr	Nb	Mo	4d Tc Ru		Rh	Pd	Ag	Cd	In	Sn	5p Sb Te		I	Xe	
	6	6s Cs Ba	La	Hf	Ta	W	5d Re Os		Ir	Pt	Au	Hg	Tl	Pb	6p Bi Po		At	Rn	
	7	7s Fr Ra	Ac																
																Lanthanide series			
		Ce	Pr	Nd	Pm	Sm	Eu	Gd	4f Tb		Dy	Ho	Er	Tm	Yb	Lu			
																Actinide series			
		Th	Pa	U	Np	Pu	Am	Cm	5f Bk		Cf	Es	Fm	Md	No	Lr			