

	1																18															
1	H																	He														
	2												13		14		15		16		17		18									
2	Li	Be											B	C	N	O	F	Ne														
	3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18	
3	Na	Mg	Al	Si	P	S	Cl	Ar																								
	4		5		6		7		8		9		10		11		12		13		14		15		16		17		18			
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr														
	5		6		7		8		9		10		11		12		13		14		15		16		17		18					
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe														
	6		7		8		9		10		11		12		13		14		15		16		17		18							
6	Cs	Ba	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn														
	7		8		9		10		11		12		13		14		15		16		17		18									
7	Fr	Ra	Lr	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub	Uuq	Uuh	Uuo	Uuq	Uuh	Uuo														
	8		9		10		11		12		13		14		15		16		17		18											
8			La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb																
	9		10		11		12		13		14		15		16		17		18													
9			Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No																

<u>monatomics</u>	<u>polyatomics</u>	<u>Solubility Rules</u>
phosphide ion P^{3-}	phosphate ion PO_4^{3-}	A. All soluble 1. All ionic salts of Li^+ , Na^+ , K^+ 2. All ionic salts of nitrate ion 3. All ionic salts of ammonium ion B. Most soluble 1. halides salts except silver (I), mercury (I), lead (II) 2. sulfate salts except barium, lead (II), calcium C. Insoluble 1. hydroxide salts 2. sulfide salts
sulfide ion S^{2-}	sulfate ion SO_4^{2-}	
chloride ion Cl^-	perchlorate ion ClO_4^-	
nitride ion N^{3-}	nitrate ion NO_3^-	
carbide ion C^{4-}	carbonate ion CO_3^{2-}	
hydride ion H^-	borate ion BO_3^{3-}	
	hydroxide ion HO^-	
	cyanide ion CN^-	
	ammonium ion NH_4^+	
	peroxide ion O_2^{2-}	
	mercury (I) ion Hg_2^+	