

Periodic Table of Elements

I A		II A												III A	IV A	V A	VIA	VII A	VIII A
1.	1 H 1																	1 H 1	2 He 4
2.	3 Li 7	4 Be 9												5 B 11	6 C 12	7 N 14	8 O 16	9 F 19	10 Ne 20
3.	11 Na 23	12 Mg 24	III B	IV B	V B	VI B	VII B	VIII B			I B	II B		13 Al 27	14 Si 28	15 P 31	16 S 32	17 Cl 35,5	18 Ar 40
4.	19 K 39	20 Ca 40	21 Sc 45	22 Ti 48	23 V 51	24 Cr 52	25 Mn 55	26 Fe 56	27 Co 59	28 Ni 59	29 Cu 63,5	30 Zn 65		31 Ga 70	32 Ge 73	33 As 75	34 Se 79	35 Br 80	36 Kr 84
5.	37 Rb 85,5	38 Sr 88	39 Y 89	40 Zr 91	41 Nb 93	42 Mo 96	43 Tc 99	44 Ru 101	45 Rh 103	46 Pd 106	47 Ag 108	48 Cd 112		49 In 115	50 Sn 119	51 Sb 122	52 Te 128	53 I 127	54 Xe 131
6.	55 Cs 133	56 Ba 137	57 La 139	72 Hf 179	73 Ta 181	74 W 184	75 Re 186	76 Os 190	77 Ir 192	78 Pt 195	79 Au 197	80 Hg 201		81 Tl 204	82 Pb 207	83 Bi 209	84 Po (209)	85 At (210)	86 Rn (222)
7.	87 Fr (223)	88 Ra (226)	89 Ac (227)	104 Rf (267)	105 Db (268)	106 Sg (269)	107 Bh (270)	108 Hs (269)	109 Mt (278)	110 Ds (281)	111 Rg (282)	112 Cn (285)							
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
Lanthanoids: 57 – 71																			
Actinoids: 89 – 112																			

Metal Activity Series

K Ba Ca Na Mg Al Mn Zn Cr Fe Ni Sn Pb H Cu Hg Ag Pt Au

Solubility Table

	K ⁺	Na ⁺	Li ⁺	NH ₄ ⁺	Ag ⁺	Ba ²⁺	Ca ²⁺	Mg ²⁺	Mn ²⁺	Ni ²⁺	Zn ²⁺	Cu ²⁺	Pb ²⁺	Fe ²⁺	Fe ³⁺	Al ³⁺	Cr ³⁺
OH ⁻	L	L	L	L	—	L	VL	E	E	E	E	E	E	E	E	E	E
Cl ⁻	L	L	L	L	E	L	L	L	L	L	L	L	VL	L	L	L	L
Br ⁻	L	L	L	L	E	L	L	L	L	L	L	L	E	L	L	L	L
I ⁻	L	L	L	L	E	L	L	L	L	L	L	—	E	L	L	L	L
S ²⁻	L	L	L	—	E	L	VL	L	E	E	E	E	E	E	—	—	—
SO ₃ ²⁻	L	L	L	L	E	E	E	E	E	E	E	E	E	E	—	—	—
SO ₄ ²⁻	L	L	L	L	VL	E	VL	L	L	L	L	L	E	L	L	L	L
PO ₄ ³⁻	L	L	VL	L	E	E	E	E	E	E	E	E	E	E	E	E	E
CO ₃ ²⁻	L	L	L	L	E	E	E	E	E	E	E	E	E	E	—	—	—
SiO ₃ ²⁻	L	L	E	—	E	E	E	E	E	E	E	E	E	E	E	E	E
NO ₃ ⁻	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L

L – soluble in water

E – practically insoluble in water

VL – slightly soluble in water

— – unstable in water