

Periodic Table of the Elements

Common Oxidation Numbers

1												13	14	15	16	17	18 Inert Gases	
IA												III A	IV A	V A	VIA	VII A	He	
1 -1 H	2 IIA												3 B	2, 4 -4 (+4...-4) C	1, 2, 3 4, 5, -3 N	-2 O	-1 F	Ne
1 Li	2 Be	3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 -----	9 --VIII--	10 -----	11 IB	12 IIB	3 Al	2, 4 -4 Si	3, 4, 5 -3 P	2, 4, 6 -2 S	1, 3, 4, 5 6, 7, -1 Cl	Ar	
1 K	2 Ca	3 Sc	2, 3, 4 Ti	2, 3, 5 V	2, 3, 6 Cr	2, 3, 4 6, 7 Mn	2, 3 Fe	2, 3 Co	2, 3 Ni	1, 2 Cu	2 Zn	3 Ga	2, 4 Ge	3, 5 -3 As	2, 4, 6 -2 Se	1, 3, 5 -1 Br	2, 4 Kr	
1 Rb	2 Sr	3 Y	4 Zr	3, 5 Nb	2, 3, 4 5, 6 Mo	7 Tc	2, 3, 4 6, 8 Ru	2, 3, 4 Rh	2, 4 Pd	1 Ag	2 Cd	3 In	2, 4 Sn	3, 5 Sb	2, 4, 6 -2 Te	1, 3, 5 7, -1 I	2, 4, 6 Xe	
1 Cs	2 Ba	3 La	4 Hf	5 Ta	2, 3, 4 5, 6 W	2, 4, 6 7 Re	2, 3, 4 6, 8 Os	2, 3, 4 Ir	2, 4 Pt	1, 3 Au	1, 2 Hg	1, 3 Tl	2, 4 Pb	3, 5 Bi	2, 4, 6 Po	At	Rn	
1 Fr	2 Ra	3 Ac																

3, 4	3, 4	3	3	2, 3	2, 3	3	3, 4	3	3	3	2, 3	2, 3	3
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
4	4, 5	3, 4, 5 6	3, 4, 5 6	3, 4, 5 6	3, 4, 5 6	3	3, 4	3					
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr