

## PERIODIC TABLE OF THE ELEMENTS

	IA																	VIIIA	
1	1 H 1.0																		2 He 4.0
2	3 Li 6.9	IIA 4 Be 9.0										III A 5 B 10.8	IV A 6 C 12.0	V A 7 N 14.0	VIA 8 O 16.0	VII A 9 F 19.0		10 Ne 20.2	
3	11 Na 23.0	12 Mg 24.3	IIIB	IVB	VB	VIB	VII B	VIII B		IB	IIB	13 Al 27.0	14 Si 28.0	15 P 31.0	16 S 32.1	17 Cl 35.5		18 Ar 40.0	
4	19 K 39.1	20 Ca 40.1	21 Sc 45.0	22 Ti 47.9	23 V 50.9	24 Cr 52.0	25 Mn 54.9	26 Fe 55.8	27 Co 58.9	28 Ni 58.7	29 Cu 63.5	30 Zn 65.4	31 Ga 69.7	32 Ge 72.6	33 As 74.9	34 Se 79.0	35 Br 79.9		36 Kr 83.8
5	37 Rb 85.5	38 Sr 87.6	39 Y 88.9	40 Zr 91.2	41 Nb 92.9	42 Mo 96.0	43 Tc (98)	44 Ru 101.1	45 Rh 102.9	46 Pd 106.4	47 Ag 107.9	48 Cd 112.4	49 In 114.8	50 Sn 118.7	51 Sb 121.8	52 Te 127.6	53 I 126.9		54 Xe 131.3
6	55 Cs 132.9	56 Ba 137.3	57 La 138.9	72 Hf 178.5	73 Ta 181.0	74 W 183.9	75 Re 186.2	76 Os 190.2	77 Ir 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.6	81 Tl 204.4	82 Pb 207.2	83 Bi 209.0	84 Po (209)	85 At (210)		86 Rn (222)
7	87 Fr (223)	88 Ra (226)	89 Ac (227.0)	104 Rf (261.1)	105 Db (262.1)	106 Sg (266.1)	107 Bh (264.1)	108 Hs (277)	109 Mt (268.1)	110 Ds (271)	111 Uuu (272)								

Lanthanide Series	58 Ce 140.1	59 Pr 140.9	60 Nd 144.2	61 Pm (145)	62 Sm 150.4	63 Eu 152.0	64 Gd 157.3	65 Tb 158.9	66 Dy 162.5	67 Ho 164.9	68 Er 167.3	69 Tm 168.9	70 Yb 173.0	71 Lu 175.0
	90 Th 232.0	91 Pa 231.0	92 U 238.0	93 Np (237.0)	94 Pu (244.1)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (251)	99 Es (252)	100 Fm (257)	101 Md (258)	102 No (259)	103 Lr (262)