

Abbreviations and Symbols

amount of substance	<i>n</i>	equilibrium constant	<i>K</i>	milli- prefix	<i>m</i>
ampere	<i>A</i>	Faraday constant	<i>F</i>	molal	<i>m</i>
atmosphere	<i>atm</i>	formula molar mass	<i>M</i>	molar	<i>M</i>
atomic molar mass	<i>A</i>	free energy	<i>G</i>	mole	<i>mol</i>
Avogadro constant	<i>N_A</i>	frequency	<i>ν</i>	Planck's constant	<i>h</i>
Celsius temperature	<i>°C</i>	gas constant	<i>R</i>	pressure	<i>P</i>
centi- prefix	<i>c</i>	gram	<i>g</i>	rate constant	<i>k</i>
concentration	<i>c</i>	hour	<i>h</i>	second	<i>s</i>
coulomb	<i>C</i>	joule	<i>J</i>	speed of light	<i>c</i>
electromotive force	<i>E</i>	kelvin	<i>K</i>	temperature, <i>K</i>	<i>T</i>
energy of activation	<i>E_a</i>	kilo- prefix	<i>k</i>	time	<i>t</i>
enthalpy	<i>H</i>	liter	<i>L</i>	volt	<i>V</i>
entropy	<i>S</i>	measure of pressure	<i>mmHg</i>	volume	<i>V</i>

Periodic Table of the Elements

1 1A H 1.008																	2 VIIIA He 4.003														
3 Li 6.941	4 IIA Be 9.012											5 IIIA B 10.81	6 IVA C 12.01	7 VA N 14.01	8 VIA O 16.00	9 VIIA F 19.00	10 Ne 20.18														
11 Na 22.99	12 Mg 24.31	3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII	9 VIII	10 VIII	11 IB	12 IIB	13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45	18 Ar 39.95														
19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.87	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.39	31 Ga 69.72	32 Ge 72.64	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80														
37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	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														
55 Cs 132.9	56 Ba 137.3	71 Lu 175.0	72 Hf 178.5	73 Ta 180.9	74 W 183.8	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)														
87 Fr (223)	88 Ra (226)	103 Lr (262)	104 Rf (261)	105 Db (262)	106 Sg (266)	107 Bh (264)	108 Hs (269)	109 Mt (268)	110 Uun (271)	111 Uuu (272)	112 Uub (277)						114 Uuq (289)														
																		57 La 138.9	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
																		89 Ac (227)	90 Th 232.0	91 Pa 231.0	92 U 238.0	93 Np (237)	94 Pu (244)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (251)	99 Es (252)	100 Fm (257)	101 Md (258)	102 No (259)