

PERIODIC TABLE OF THE ELEMENTS

<http://www.kf-spl.it/periodic/en/>

GROUP		PERIOD															
1 IA		GROUP NUMBERS IUPAC RECOMMENDATION (1985)										GROUP NUMBERS CHEMICAL ABSTRACT SERVICE (1986)					
1	2	ATOMIC NUMBER										RELATIVE ATOMIC MASS (1)					
1	2	SYMBOL										ELEMENT NAME					
1 H HYDROGEN	2 He HELIUM	3 6.941	4 9.0122	5 10.811	6 12.011	7 14.007	8 15.999	9 18.998	10 20.180	11 22.990	12 24.305	13 26.982	14 28.086	15 30.974	16 32.065	17 35.453	18 39.948
19 39.098	20 40.078	21 44.956	22 47.867	23 50.942	24 51.996	25 54.938	26 55.845	27 58.933	28 58.693	29 63.546	30 65.39	31 69.723	32 72.64	33 74.922	34 78.96	35 79.904	36 83.80
37 85.468	38 87.62	39 88.906	40 91.224	41 92.906	42 95.94	43 (98)	44 101.07	45 102.91	46 106.42	47 107.87	48 112.41	49 114.82	50 118.71	51 121.76	52 127.60	53 126.90	54 131.29
87 (223)	88 (226)	89-103 Ac-Lr	104 (261)	105 (262)	106 (266)	107 (264)	108 (277)	109 (268)	110 (281)	111 (272)	112 (285)	113 (284)	114 (289)	115 (288)	116 (289)	117 (289)	118 (289)

LANTHANIDE

57 138.91	58 140.12	59 140.91	60 144.24	61 (145)	62 150.36	63 151.96	64 157.25	65 158.93	66 162.50	67 164.93	68 167.26	69 168.93	70 173.04	71 174.97
La LANTHANUM	Ce CERUM	Pr PRASEODYMIUM	Nd NEODYMIUM	Pm PROMETHIUM	Sm SAMARIUM	Eu EUROPIUM	Gd GADOLINIUM	Tb TERBIUM	Dy DYSPROSIUM	Ho HOLMIUM	Er ERBIUM	Tm THULIUM	Yb YTTTERBIUM	Lu LUTETIUM

ACTINIDE

89 (227)	90 232.04	91 231.04	92 238.03	93 (237)	94 (244)	95 (243)	96 (247)	97 (247)	98 (251)	99 (252)	100 (257)	101 (258)	102 (259)	103 (262)
Ac ACTINIUM	Th THORIUM	Pa PROTACTINIUM	U URANIUM	Np NEPTUNIUM	Pu PLUTONIUM	Am AMERICIUM	Cm CURIUM	Bk BERKELIUM	Cf CALIFORNIUM	Es EINSTEINIUM	Fm FERMIUM	Md MENDELEVIUM	No NOBELIUM	Lr LAWRENCIUM

(1) Pure Appl. Chem., 73, No. 4, 667-683 (2001)
 Relative atomic mass is shown with five significant figures. For elements with no stable nuclides, the value enclosed in brackets indicates the mass number of the longest-lived isotope of the element.
 However three such elements (Th, Pa, and U) do have a characteristic terrestrial isotopic composition, and for these an atomic weight is tabulated.

Editor: Aditya Vardhan (advaha@netlix.com)

Copyright © 1998-2002 Eng. (en)@kf-spl.it

Physical Constants

Constant	Symbol	Value
Atomic Mass Unit	amu	1.66054×10^{-27} kg
Avogadro's Number	N	6.022×10^{23} mol ⁻¹
Bohr Radius	a_0	5.292×10^{-11} m
Boltzmann's constant	k	1.38066×10^{-23} J/K
Charge of an electron	e	1.60218×10^{-19} C
Gas Constant	R	8.314 J K ⁻¹ mol ⁻¹ 0.08206 L atm K ⁻¹ mol ⁻¹
Mass of an Electron	m_e	9.10939×10^{-31} kg
Mass of a Neutron	m_n	1.67493×10^{-27} kg
Mass of a Proton	m_p	1.67262×10^{-27} kg
Planck's constant	h	6.62608×10^{-34} J s
Speed of Light	c	2.998×10^8 m s ⁻¹