

# Tabela Periódica

CLASSIFICAÇÃO PERIÓDICA DOS ELEMENTOS  
(COM MASSAS ATÔMICAS REFERENTES AO ISÓTOPO 12 DO CARBONO)

1 1A	2 2A											13 3A	14 4A	15 5A	16 6A	17 7A	18 0
1 H 1,0												5 B 11,0	6 C 12,0	7 N 14,0	8 O 16,0	9 F 19,0	10 Ne 20,0
3 Li 7,0	4 Be 9,0	↓ Elementos de transição ↓										13 Al 27,0	14 Si 28,0	15 P 31,0	16 S 32,0	17 Cl 35,5	18 Ar 40,0
11 Na 23,0	12 Mg 24,0	3 3B	4 4B	5 5B	6 6B	7 7B	8 ↓	9 8B	10 ↓	11 1B	12 2B						
19 K 39,0	20 Ca 40,0	21 Sc 45,0	22 Ti 48,0	23 V 51,0	24 Cr 52,0	25 Mn 55,0	26 Fe 56,0	27 Co 59,0	28 Ni 59,0	29 Cu 63,5	30 Zn 65,0	31 Ga 70,0	32 Ge 73,0	33 As 75,0	34 Se 79,0	35 Br 80,0	36 Kr 84,0
37 Rb 85,5	38 Sr 88,0	39 Y 89,0	40 Zr 91,0	41 Nb 93,0	42 Mo 96,0	43 Tc (99)	44 Ru 101,0	45 Rh 103,0	46 Pd 106,0	47 Ag 108,0	48 Cd 112,0	49 In 115,0	50 Sn 119,0	51 Sb 122,0	52 Te 128,0	53 I 127,0	54 Xe 131,0
55 Cs 133,0	56 Ba 137,0	57-71 Série dos Lantanídeos	72 Hf 178,5	73 Ta 181,0	74 W 184,0	75 Re 186,0	76 Os 190,0	77 Ir 192,0	78 Pt 195,0	79 Au 197,0	80 Hg 201,0	81 Tl 204,0	82 Pb 207,0	83 Bi 209,0	84 Po (210)	85 At (210)	86 Rn (222)
87 Fr (223)	88 Ra (226)	89-103 Série dos Actinídeos	104 Unq (261)	105 Unp (262)	106 Unh (263)	107 Uns (262)	108 Uno (265)	109 Une (266)									

Número Atômico
Símbolo
Massa Atômica
( ) = Nº de massa do isótopo mais estável

Série dos Lantanídeos															
57 La 138,0	58 Ce 140,0	59 Pr 141,0	60 Nd 144,0	61 Pm (147)	62 Sm 150,0	63 Eu 152,0	64 Gd 157,0	65 Tb 159,0	66 Dy 162,5	67 Ho 165,0	68 Er 167,0	69 Tm 169,0	70 Yb 173,0	71 Lu 175,0	
Série dos Actinídeos															
89 Ac (227)	90 Th 232,0	91 Pa (231)	92 U (238)	93 Np (237)	94 Pu (242)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (251)	99 Es (254)	100 Fm (253)	101 Md (256)	102 No (253)	103 Lw (257)	

Dados: Constante de Avogadro =  $6,0 \times 10^{23}$  átomos.mol<sup>-1</sup>  
Produto iônico da água, K<sub>w</sub>, a 25° C =  $1,0 \times 10^{-14}$

F = 96500 Coulombs  
R = 0,082 atm.L.mol<sup>-1</sup>.K<sup>-1</sup>