CENTRO DE ESTUDIOS CIENTÍFICOS Y TECNOLÓGICOS
"JUAN DE DIOS BÁTIZ"
ACADEMIA DE QUÍMICA

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SERIE ELECTROMOTRIZ

3IM3

SEMIRREACCIÓN DE OXIDACIÓN	POTENCIAL DE OXIDACIÓN
$Li \longrightarrow Li^{+} + e^{-}$	+3.04
$K \longrightarrow K^{+} + e^{-}$	+2.93
$Ba \longrightarrow Ba^{+2} + 2e^{-}$	+2.91
$Ca \longrightarrow Ca^{+2} + 2e^{-}$	+2.87
$Na \longrightarrow Na^{+} + e^{-}$	+2.71
$Mg \longrightarrow Mg^{+2} + 2e^{-}$	+2.37
$Al \longrightarrow Al^{+3} + 3e^{-}$	+1.66
$Zn \longrightarrow Zn^{+2} + 2e^{-}$	+0.76
$Fe \longrightarrow Fe^{+2} + 2e^{-}$	+0.44
$Cd \longrightarrow Cd^{+2} + 2e^{-}$	+0.40
$Co \longrightarrow Co^{+2} + 2e^{-}$	+0.28
$Ni \longrightarrow Ni^{+2} + 2e^{-}$	+0.25
$Sn \longrightarrow Sn^{+2} + 2e^{-}$	+0.14
$Pb \longrightarrow Pb^{+2} + 2e^{-}$	+0.13
$H_2 \longrightarrow 2H^{+1} + 1e^{-}$	0.00
$Cu \longrightarrow Cu^{+2} + 2e^{-}$	-0.34
$2I^{-} \longrightarrow I_2 + 2e^{-}$	-0.54
$Hg \longrightarrow Hg^{+2} + 2e^{-}$	-0.79
$Ag \longrightarrow Ag^{+} + e^{-}$	-0.80
$2Br^{-} \longrightarrow Br_2 + 2e^{-}$	-1.07
$2Cl^{-} \longrightarrow Cl_2 + 2e^{-}$	-1.36
$Au \longrightarrow Au^{+3} + 3e^{-}$	-1.50
$2F^{-} \longrightarrow F_2 + 2e^{-}$	-2.65

TABLA PERIÓDICA DE LOS ELEMENTOS

** Con información de la IUPAC, Oct. 2005 **

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I A	II A	III B	IV B	V B	VI B	VII B	VIII B	VIII B	VIII B	I B	II B	III A	IV A	V A	VI A	VII A	VIII A
1 H 1.007 (2.1)																	2 He 4.002
3 Li 6.941 (1.0)	4 Be 9.012 (1.5)											5 B 10.811 (2.0)	6 C 12.011 (2.5)	7 N 14.007 (3.0)	8 O 15.999 (3.5)	9 F 18.998 (4.0)	10 Ne 20.180
11 Na 22.989 (0.9)	12 Mg 24.305 (1.2)											13 Al 26.981 (1.5)	14 Si 28.086 (1.8)	15 P 30.974 (2.1)	16 S 32.065 (2.5)	17 Cl 35.453 (3.0)	18 Ar 39.948
19 K 39.098 (0.8)	20 Ca 40.078 (1.0)	21 Sc 44.955 (1.3)	22 Ti 47.867 (1.5)	23 V 50.942 (1.6)	24 Cr 51.996 (1.6)	25 Mn 54.938 (1.5)	26 Fe 55.845 (1.8)	27 Co 58.933 (1.9)	28 Ni 58.693 (1.8)	29 Cu 63.546 (1.9)	30 Zn 65.409 (1.6)	31 Ga 69.723 (1.6)	32 Ge 72.64 (1.8)	33 As 74.921 (2.0)	34 Se 78.96 (2.4)	35 Br 79.904 (2.8)	36 Kr 83.798 (3.0)
37 Rb 85.468 (0.8)	38 Sr 87.62 (1.0)	39 Y 88.905 (1.2)	40 Zr 91.224 (1.4)	41 Nb 92.906 (1.5)	42 Mo 95.94 (1.8)	43 Tc 97.907 (1.9)	44 Ru 101.07 (2.2)	45 Rh 102.91 (2.2)	46 Pd 106.42 (2.2)	47 Ag 107.87 (1.9)	48 Cd 112.41 (1.7)	49 In 114.82 (1.7)	50 Sn 118.71 (1.8)	51 Sb 121.76 (1.9)	52 Te 127.60 (2.1)	53 I 126.90 (2.5)	54 Xe 131.30 (2.6)
55 Cs 132.90 (0.7)	56 Ba 137.33 (0.9)	57 a 71	72 Hf 178.49 (1.3)	73 Ta 180.95 (1.5)	74 W 183.84 (1.7)	75 Re 186.21 (1.9)	76 Os 190.23 (2.2)	77 Ir 192.20 (2.2)	78 Pt 195.08 (2.2)	79 Au 196.97 (2.4)	80 Hg 200.59 (1.9)	81 Tl 204.38 (1.8)	82 Pb 207.20 (1.9)	83 Bi 208.98 (1.9)	84 Po 208.98 (2.0)	85 At 209.98 (2.2)	86 Rn 222.02
87 Fr 223.00 (0.7)	88 Ra 226.00 (0.9)	89 A 103	104 Rf 261.00	105 Db 262.00	106 Sg 266.00	107 Bh 264.00	108 Hs 277.00	109 Mt 268.00	110 Ds 271.00	111 Rg 272.00							

57 La 138.91	58 Ce 140.12	59 Pr 140.91	60 Nd 144.24	61 Pm 145.00	62 Sm 150.36	63 Eu 151.96	64 Gd 157.25	65 Tb 158.92	66 Dy 162.50	67 Ho 164.93	68 Er 167.26	69 Tm 168.93	70 Yb 173.04	71 Lu 174.98
89 Ac 227.00	90 Th 232.04	91 Pa 231.04	92 U 238.03	93 Np 237.00	94 Pu 244.00	95 Am 243.00	96 Cm 247.00	97 Bk 247.00	98 Cf 251.00	99 Es 252.00	100 Fm 257.00	101 Md 258.00	102 No 259.00	103 Lr 262.00

1 ← No. Atómico
H ← Símbolo
1.007 ← Peso Atómico
(2.1) ← (electronegatividad)