FUNDAMENTAL CONSTANTS (1986)

Avogadro's number, N	6.02214×10^{23} mol^{-1}	proton mass	1.00727647 amu
speed of light, c	2.9979×10^{8} m/s	neutron mass	1.0086649 amu
Planck's constant, h	6.62608×10^{-34} J·s	electron mass	5.485799×10^{-4} amu
gas constant, R	8.31451 J/mol·K	electron charge	1.602177×10^{-19} C
gas constant, R	0.082058 L·atm/mol·K	Faraday's constant, $\mathcal{F}$	9.64853×10^{4} C/mol
gas constant, R	1.9872 cal/mol·K	Boltzmann's constant, k	1.38066×10^{-23} J/K

$\Delta G° = -RT\ ln\ K$ $\qquad$ $K_p = K_c\ (RT)^{\Delta n}$

Selected Conversion Factors

1 atm = 1.01325×10^{-5} Pa = 760 torr

1 cal ≡ 4.184 J

1 in ≡ 2.54 cm

1 ft ≡ 12 in

1 mi ≡ 5280 ft

1 lb = 453.592 g