

Units' memo

Energy

Gibbs' free energy

ΔG	Change of Gibbs' free energy
ΔG^\ominus	ΔG at standard conditions(298K and 1atm)
$\Delta G^{\ominus'}$	ΔG^\ominus at pH7

J vs Cal

1 J	0.2388 cal
1 cal	4.1868 J
Gas constant, R	
8.314 J/K·mol	1.987 cal/K·mol

Length

unit	name	length/ m
m	meter	1
mm	millimeter	1/1000
μm	micrometer	1/1000,000
nm	nanometer	1/1000,000,000
Å	angstrom	1/10,000,000,000 = 0.1 nm

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