

Some conversion factors [ps16]

Length	$1 \text{ m} = 100 \text{ cm}$ $= 3.281 \text{ ft}$ $= 39.37 \text{ in}$
Mass	$1 \text{ kg} = 10^3 \text{ g}$ $= 2.205 \text{ lb}_m$
Volume	$1 \text{ m}^3 = 10^6 \text{ cm}^3$ $= 10^3 \text{ liter}$ $= 35.31 \text{ ft}^3$
Force	$1 \text{ N} = 1 \text{ kg} \cdot \text{m} \cdot \text{s}^{-2}$ $= 10^5 \text{ dyne}$ $= 0.2248 \text{ lb}_f$
Pressure	$1 \text{ Pa} = 1 \text{ N} \cdot \text{m}^{-2}$ $= 10 \text{ dyne} \cdot \text{cm}^{-2}$ $= 9.872 \times 10^{-6} \text{ atm}$ $= 10^{-5} \text{ bar}$ $= 7.502 \times 10^{-3} \text{ torr}$ $= 14.50 \times 10^{-5} \text{ psia}$
Energy	$1 \text{ J} = 1 \text{ N} \cdot \text{m}$ $= 10^7 \text{ erg}$ $= 2.390 \times 10^{-4} \text{ kcal}$ $= 6.242 \times 10^{18} \text{ eV}$ $= 9.478 \times 10^{-4} \text{ Btu}$

[from A. H. Carter, *Classical and Statistical Thermodynamics*,
Prentice Hall, 2001]