COMMON UNIT CONVERSIONS (C1)

Unit	Unit Symbol	Quantity	Equation Expressed in Terms of SI Base Units	Equation Expressed in Terms of Other Units
Degree Celsius	°C	Celsius Temperature	$x\ °\mathrm{C} = x\ \mathrm{K}$, where $-273.15\ °\mathrm{C} \cong 0\ \mathrm{K}$	$x\ °\mathrm{C} \cong (x - 32) \times \frac{5}{9}\ °\mathrm{F}$
Degree Fahrenheit	°F	Fahrenheit Temperature	$x\ °\mathrm{F} \cong \left(x \times \frac{9}{5} - 459.67\right)\mathrm{K}$	$x\ °\mathrm{F} \cong \left(x \times \frac{9}{5} + 32\right)°\mathrm{C}$
Atomic Mass Unit	u Da	Atomic Mass	$x\ \mathrm{u} \cong 1.660\ 539\ 066\ 60(50) \times 10^{-27} x\ \mathrm{kg}$	-
Atmospheric Pressure	atm	Atmospheric Pressure of Earth	$x\ \mathrm{atm} \cong 101\ 325 x\ \mathrm{Pa}$	-
Electronvolt (Mass)	$\mathrm{eV/c^2}$	Mass	$x\ \mathrm{eV/c^2} \cong 1.782\ 661\ 92 \times 10^{-36} x\ \mathrm{kg}$	$x\ \mathrm{eV/c^2} \cong 96\ 385\ 542.168\ 675 x\ \mathrm{u}$
Electronvolt (Energy)	eV	Energy	$x\ \mathrm{eV} \cong 1.602\ 176\ 634 \times 10^{-19} x\ \mathrm{J}$	-
Elementary Charge	e	Charge	$x\ e \cong 1.602\ 176\ 634 \times 10^{-19} x\ \mathrm{C}$	-

Sources:

- Unit
- Unit Symbol
- Quantity
- Equation Expressed in Terms of SI Base Units
- Equation Expressed in Terms of Other Units