

Useful Chemistry Conversions

Metric Conversions:

Length (meters)	Mass (grams)	Volume (liters)
1 km = 10^3 m = 1000 m	1 kg = 10^3 g	1 kL = 10^3 L
1 Hm = 10^2 m = 100 m	1 Hg = 10^2 g	1 HL = 10^2 L
1 Dm = 10^1 m = 10 m	1 Dg = 10^1 g	1 DL = 10^1 L
1 dm = 10^{-1} m = 0.1 m	1 dg = 10^{-1} g	1 dL = 10^{-1} L
1 cm = 10^{-2} m = 0.01 m	1 cg = 10^{-2} g	1 cL = 10^{-2} L
1 mm = 10^{-3} m = 0.001 m	1 mg = 10^{-3} g	1 mL = 10^{-3} L
1 μ m = 10^{-6} m = 0.000001 m	1 μ g = 10^{-6} g	1 μ L = 10^{-6} L

Other Useful Conversions

Length	Mass	Volume	Pressure	Temperature
1 mile = 1.609 km	1 lb = 453.6 grams	1 cm ³ = 1 mL	1 atm = 760 torr = 760 mmHg	K = C° + 273.5
1 mile = 5280 ft	1 kg = 2.2 lbs	1 quart = 0.946 L	1 atm = 101,325 kPa	°C = $\frac{5}{9}$ (°F - 32°)
1 ft = 12 in	1 ounce = 28.35 grams	4 quarts = 1 gallon	1 atm = 14.7 psi	°F = $\frac{9}{5}$ (°C + 32°)
1 in = 2.54 cm	1 lb = 16 ounces	1 fluid oz = 29.57 mL	1 bar = 10^5 Pa	