

Conversion Factors

Length: meter (m)

1 inch = 2.54 centimeters
 1 foot = 0.3048 meters
 1 yard = 0.9144 meters
 1 mile = 1.61 kilometers
 1 mile = 5280 feet

Mass: grams (g)

16 ounces = 1 pound
 1 ounce = 28.35 grams
 1 pound = 453.6 grams
 2.20 pounds = 1 kilogram

Energy: Joule (J)

1 calorie = 4.184 Joules
 1 BTU = 1050 J

Volume: liter (L)

1 gallon = 4 quarts
 1 quart = 2 pints
 1.06 quarts = 1 Liter
 1 gallon = 3.785 Liters
 1 milliliter = 1 cm³
 1 in³ = 16.39 cm³
 1 ft³ = 2.832 x 10⁴ cm³
 16 tablespoons = 1 cup
 3 teaspoons = 1 tablespoons
 1 pinch = 0.125 teaspoons
 2 cups = 1 pint

Temperature: Kelvin (K)

$$^{\circ}\text{C} = \frac{(^{\circ}\text{F} - 32)}{1.8} \quad ^{\circ}\text{F} = 1.8(^{\circ}\text{C}) + 32$$

$$\text{K} = ^{\circ}\text{C} + 273$$

Pressure: (kiloPascal)

all are equal to each other:

pascal (Pa)	101,325
kilopascal (kPa)	101.325
millimeters of mercury (mmHg)	760
inches of mercury (inHg)	29.92
torr (torr)	760
pounds per square inch (psi, lbs./in ²)	14.7