

Conversion Factors Allowed in Chem (stay off of the internet)

Time

1 year = 365 days
1 day = 24 hours
1 hour = 60 minutes
1 minute = 60 seconds

Mass

1 pound = 16 ounces
1 pound = 454 grams
1 ton = 2000 pounds
1000 grams = 1 kilogram

Length

12 inches = 1 foot
3 feet = 1 yard
5280 feet = 1 mile
1 meter = 100 cm = 1000 mm
1 inch = 2.54 cm

Pressure

1 kilo-Pascal = 1000 Pascals
101.3 kPa = 760. mm of Hg = 1 atmosphere = 14.7 pounds per square inch

Volume

1 liter = 1000 mL
1 galloon = 4 quarts
1 mL = 1 cm³
2 pints = 1 quart
22.4 Liters = 1 mole of gas at STP

Energy

4.18 Joules = 1 calorie
1000 calories = 1 Calorie (kilo-Calorie)
1000 Joules = 1 kilojoule