

Some metric conversions

Distance:

Kilometer (km) = 0.62 miles

Meter (m) = 3.3 feet
= 0.001 km

centimeter (cm) = 0.4 inches
= 0.01 m

millimeter (mm) = 0.04 inches
= 0.1 cm

Mass

kilogram (kg) = 2.2 pounds

gram (gm) = 0.035 ounces
= 0.001 kg

Volume

liter (l) = 0.26 gallons

cubic cm (cm³) = 0.001 liter

Temperature:

$$^{\circ}\text{F} = 9/5(^{\circ}\text{C}) + 32$$

$$^{\circ}\text{C} = 5/9(^{\circ}\text{F} - 32)$$

For water:

Water freezes at 0°C

Water boils at 100°C

Hawaiian lava erupts at 1100°C or 2012°F

Pressure

1 bar (bar) = 0.99 atmospheres

1 kilobar (kbar) = 1000 b

1 Pascal (Pa) = 0.00001 bar

1 Giga Pascal (GPa) = 10⁹ Pa

= 10⁴ bar

= 10 kbar

= ~10,000 atm