Helpful Information on Units of Measure and Conversions

UNITS OF RADIATION MEASUREMENT AND CONVERSION

U.S. System	International System	Conversion
curie (Ci)	becquerel (Bq)	1 Ci = 3.7×10^{10} Bq
rad	gray (Gy)	1 rad = 0.01 Gy
rem	sievert (Sv)	1 rem = 0.01 Sv

APPROXIMATE METRIC CONVERSIONS

When you know	multiply by	to obtain	When you know	multiply by	to obtain
centimeters (cm)	0.39	inches (in.)	in.	2.54	cm
meters (m)	3.28	feet (ft.)	ft.	0.305	m
kilometers (km)	0.62	miles (mi.)	mi.	1.61	km
kilograms (kg)	2.20	pounds (lb.)	lb.	0.45	kg
liters (L)	1.04	quarts (qt.)	quart	0.95	L
cubic meters (m^3)	35.32	cubic feet (ft^3)	ft^3	0.03	m^3
hectares (ha)	2.47	acres	acres	0.40	hectares
square kilometers (km^2)	0.39	square miles (mi^2)	mi^2	2.59	km^2
degrees Celcius (°C)	1.8 (°C) + 32	degrees Fahrenheit (°F)	°F	(°F-32)/1.8	°C

SCIENTIFIC NOTATION USED FOR MEASUREMENT

Multiple	Decimal Equivalent	Notation	Prefix	Symbol
1×10^{3}	1000	E+03	kilo-	k
1×10^{-2}	0.01	E-02	centi-	c
1×10^{-3}	0.001	E-03	milli-	m
1×10^{-6}	0.000001	E-06	micro-	μ
1×10^{-9}	0.000000001	E-09	nano-	n
1×10^{-12}	0.000000000001	E-12	pico-	p

CONCENTRATION CONVERSION

1 ppm	=	1000 ppb		
1 ppb	=	0.001 ppm	=	1μg/L*
1 ppm	=	1 mg/L	=	1000 μg/L*

* For aqueous fractions only.

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...PROTECTING ITS FUTURE

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