

**Environmental Compliance Inspector
EQUIVALENTS AND FORMULAS**

3.785 liters/gallon	453.6 gm/lb.
8.34 lbs/gallon	28.35 gm/oz.
7.48 gallons/ft ³	12 inches/ft.
43,560 ft ² /acre	$\pi = 3.14$

Volume of Rectangular Solid:	$V = LWH$
Volume of Cylinder:	$V = \pi R^2 H$

Area of Circle:	$A = \pi R^2$
Area of Trapezoid:	$A = \frac{B+b}{2} \times H$

Area of Triangle:	$A = \frac{bh}{2}$
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Manning Formula:	$Q = \frac{1.49 \times A \times R^{2/3} \times S^{1/2}}{N}$
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Periodic Properties of Elements

Element	Symbol	Atomic Number	Atomic Weight (grams/mole)
Hydrogen	H	1	1.0
Carbon	C	6	12.0
Nitrogen	N	7	14.0
Oxygen	O	8	16.0
Fluorine	F	9	19.0
Sodium	Na	11	23.0
Magnesium	Mg	12	24.3
Aluminum	Al	13	27.0
Phosphorus	P	15	31.0
Sulfur	S	16	32.1
Chlorine	Cl	17	35.5
Potassium	K	19	39.1
Calcium	Ca	20	40.1
Chromium	Cr	24	52.0
Iron	Fe	26	55.8
Nickel	Ni	28	58.7
Copper	Cu	29	63.5
Zinc	Zn	30	65.4
Arsenic	As	33	74.9
Silver	Ag	47	107.9
Cadmium	Cd	48	112.4