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Appendices

Metric Units

Volume

1milliliter (ml) = 1000 microliter (µl)
1litre = 1000ml
1cubic meter (cm^3) = 1000 litres
1cubic centimeter (1cc) = 1ml
1 ft^3 = 0.02832m^3

Weight

1milligram (mg) = 1000 microgram (µg)
1 gram (g) = 1000 (mg)
1 kilogram (kg) = 1000 gram
1 metric ton (mt) = 1000 kg
1lb = 453.6g = 0.4536kg
1 kg = 2.205 lb

Area

1 square centimeter (cm^2) = 100 square millimeter (mm^2)
1 square meter (m^2) = 10,000 cm^2
1 hectare (ha) = 10,000 m^2
1 acre = 0.4047 hectare = 100 m^2

Length

1 millimeter (mm) = 1,000 micrometer (microns)
1 centimeter (cm) = 10mm
1 meter (m) = 100 cm
1 kilometer (km) = 1000 m
1 foot (ft) = 12 inches (in) = 0.305m
1 inch = 2.54 cm

Prefix

Mega - (M) = 10^6
Kilo – (K) = 10^3
milli - (ml) = 10^{-3}
micro – (μ) = 10^{-6}
nano – (n) = 10^{-9}
pico – (p) = 10^{-12}

Strengths of Some Common Acids/Bases

Acids/Bases	Normality
1. Hydrochloric acid (HCl)	11.6
2. Acetic acid (CH_3COOH)	17.5
3. Nitric acid (HNO_3)	16.0
4. Sulphuric acid (H_2SO_4)	36.0
5. Orthophosphoric acid (H_3PO_4)	45.0
6. Ammonium hydroxide (NH_4OH)	15.0

Index

Professor Debangshu Narayan Das

Professor Debangshu Narayan Das is currently holding the office of the Dean, Faculties of Sciences, Engineering & IT, Rajiv Gandhi University, Ronohills, Doimukh, India. His broad areas of research cover finfish biology and fish and fisheries of eastern Himalayas. Currently his laboratory is involved in the documentation of fish genetic diversity and conservation of threatened wild fishes, eco-biology of wild food and ornamental fishes, aquaculture development in hill wet rice lands, application of fisheries IKS and location specific refinement and fish biotechnology. Professor Das has to his credit several nationally funded projects and memberships to reputed biological societies. His total publication in national and international journals is more than 80.

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