CONSTANTS and VALUES

Densities	
Alcohol	800 kg m^{-3}
Paraffin	800 kg m^{-3}
Water	1000 kg m^{-3}
Brine	1200 kg m^{-3}
Sea Water	1250 kg m^{-3}
Mercury	13600 kg m^{-3}
Linear Expansivities	
Steel	10 x 10^{-5}
Iron	12 x 10^{-5}
Copper	17 x 10^{-5}
Brass	18 x 10^{-5}
Specific Latent Heats	
Fusion of Ice	340000 J kg^{-1}
Vaporisation of Water	2250000 J kg^{-1}
Electrochemical Equivalents	
Hydrogen	11 x 10^{-8} kg K^{-1}
Nickel	30 x 10^{-7} kg K^{-1}
Copper	33 x 10^{-7} kg K^{-1}
Silver	112 x 10^{-6} kg K^{-1}
Specific Heat Capacities	
Brass	380 J kg^{-1} K^{-1}
Copper	380 J kg^{-1} K^{-1}
Iron	460 J kg^{-1} K^{-1}
Aluminium	880 J kg^{-1} K^{-1}
Ice	2100 J kg^{-1} K^{-1}
Paraffin	2200 J kg^{-1} K^{-1}
Glycerin	2400 J kg^{-1} K^{-1}
Methylated Spirits	2500 J kg^{-1} K^{-1}
Water	4200 J kg^{-1} K^{-1}

c Velocity of light in vacuo 2.997925 x 10^{-8} m s^{-1}

g Standard acceleration of gravity 9.80665 m s^{-2} or 9.80665 N kg^{-1}
(At Greenwich g = 9.81183 m s^{-2})

Speed of sound at sea level at 0°C = 331.7 m^{-1}

π= 3.142857