Useful Conversion Factors

Mass

1 kg	=	6.02×10^{26} u						
1 slug	=	14.6 kg						

Dimensions

1 m	=	3.28 ft	=	39.4 in				
1 mi	=	1.61 km	=	5280 ft				
1 in	=	2.54 cm						
1 ly	=	9.46×10^{15} m						
1 m^3	=	1000 L	=	35.3 ft^3	=	264 gal		

Speed

1 m/s	=	3.28 m/s	=	2.24 mi/hr				
1 km/hr	=	0.621 mi/hr	=	0.278 m/s				

Force & Pressure

1 N	=	0.225 lb						
1 lb	=	4.45 N						
1 ton	=	1000 lb						
1 Pa	=	1 N/m^2	=	1.45×10^{-4} lb/in^2				
1 atm	=	1.01×10^5 Pa	=	14.7 lb/in^2	=	76 cm-Hg		

Energy & Power

1 J	=	0.239 cal	=	9.48×10^{-4} Btu	=	1×10^7 erg		
1 kWhr	=	3.60×10^6 J						
1 cal	=	4.19 J						
1 eV	=	1.60×10^{-19} J						
1 hp	=	746 W						

Magnetism

1 T	=	1×10^4 Gauss						