

5 B C N O F Boron Carbon Nitrogen Oxygen Fluorine 10.81 12.01 14.01 16.00 19.00 19.00 13.	Silicon Phosphorus 28.09 30.97 33 Germanium Arsenic 72.59 50 51 Sh	Cadmium Indium Tin Antimony Tellurium Iodine 112.4 114.8 118.7 121.8 127.6 126.9
1 cal = 4.184 J h = $6.626 \times 10^{-34} \text{ J.s}$ c = $3 \times 10^8 \text{ m/s} \mid_{N_A} = 6.022 \times 10^{23}$ 1 mile = 1.6093 km 1 lb = 453.59 g	V Cr Mn Fe Cobalt Nickel naclium Chromium Manganese Iron Cobalt Nickel 50.94 52.00 54.94 55.85 58.93 58.70 ND TC Ru Rh Pd 46 46 ND TC Ru Rh Pd Pd	Ta
1.0079 3 Li Be Lithium Beryllium 6.941 9.012 11 12	Magnesii 24.37 24.37 24.37 24.37 24.37 24.37 24.08 38 38 24.08	Subidium Strontium Stron

Y b Ytterbium 173.0

 $\prod_{\text{Thullium}}^{69}$

68 **F F** Erbium 167.3

67 **H0** Holmium 164.9

Dy Dysprosium 162.5

 $\prod_{\text{Terbium}}^{65}$

Gd Gadolinium 157.3

63 Europium C

Smarium 150.4

60 61 Pm Mm Neodymium Promethium S 144.2 [145]

Praseodymium Prase

Cerium

Lanthanum 138.9

102 Nobelium [259]

Mendelevium [258]

Berkelium Californium Einsteinium Frankeinium Frankein

Curium [247]

Am Americium [243]

Pu Plutonium [242]

[244]

238.0

Pa Protactinium [231]

Thorium 232.0

Actinium [227]

Fermium [257]