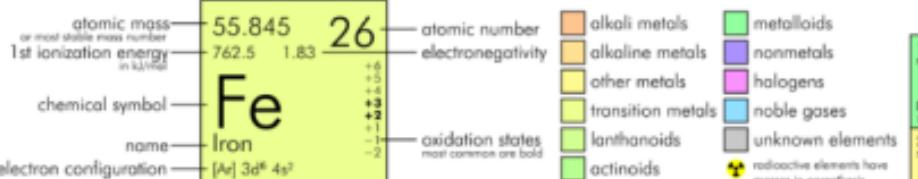


The Periodic Table of the Elements

14

0.002602 2
3873.3



group 1						
	1.00794 (20) H	1 Hydrogen (1)				
	6.941 (20.2) Li	3 Lithium (3)	9.012182 (20.5) Be	4 Boron (4)		
	22.98976 (20.8) Na	11 Sodium (11)	24.030 (22.7) Mg	12 Magnesium (12)		
	39.9983 (20.8) K	19 Potassium (19)	40.078 (20.6) Ca	20 Calcium (20)		
	85.4678 (20.0) Rb	37 Rubidium (37)	87.62 (20.3) Sr	38 Strontium (38)		
	132.9054 (20.1) Cs	55 Cesium (55)	137.327 (20.2) Ba	56 Barium (56)		
	(223) (20.0) Fr	87 Francium (87)	(236) (20.3) Ra	88 Radium (88)		



notes

- as of yet, elements 113-118 have no official name designated by the IUPAC.
 - $1 \text{ kJ/mol} = 96.485 \text{ eV}$
 - all elements are implied to have an oxidation state of zero.

138.9054 68.81 · 1.16 La Lanthanum (Ba^{4f}) ²⁺	140.116 68.61 · 1.12 Ce Cerium (Ba^{4f}) ³⁺	58 140.9076 68.71 · 1.13 Pr Praseodymium (Ba^{4f}) ⁴⁺	59 144.242 68.81 · 1.14 Nd Neodymium (Ba^{4f}) ⁵⁺	60 145.0 68.91 · 1.15 Pm Promethium (Ba^{4f}) ⁶⁺	61 150.36 68.86 · 1.17 Sm Samarium (Ba^{4f}) ⁷⁺	62 151.964 68.87 · 1.20 Eu Europium (Ba^{4f}) ⁸⁺	63 157.25 68.88 · 1.20 Gd Gadolinium (Ba^{4f}) ⁹⁺	64 158.9253 68.88 · 1.20 Tb Terbium (Ba^{4f}) ¹⁰⁺	65 162.500 68.81 · 1.23 Dy Dysprosium (Ba^{4f}) ¹¹⁺	66 164.9303 68.81 · 1.24 Ho Holmium (Ba^{4f}) ¹²⁺	67 167.259 68.81 · 1.26 Er Erbium (Ba^{4f}) ¹³⁺	68 168.9342 68.81 · 1.26 Tm Thulium (Ba^{4f}) ¹⁴⁺	69 173.054 68.81 · 1.26 Yb Ytterbium (Ba^{4f}) ¹⁵⁺	70 189.979 68.81 · 1.16 Ac Actinium (Ba^{4f}) ¹⁶⁺	90 232.0380 68.81 · 1.36 Th Thorium (Ba^{3f}) ⁷⁺	91 231.0358 68.81 · 1.36 Pa Protactinium (Ba^{3f}) ⁸⁺	92 238.0289 68.81 · 1.36 U Uranium (Ba^{3f}) ⁹⁺	93 237.0 68.81 · 1.36 Np Neptunium (Ba^{3f}) ¹⁰⁺	94 240.0 68.81 · 1.36 Pu Plutonium (Ba^{3f}) ¹¹⁺	95 243.0 68.81 · 1.36 Am Americium (Ba^{3f}) ¹²⁺	96 247.0 68.81 · 1.36 Cm Curium (Ba^{3f}) ¹³⁺	97 251.0 68.81 · 1.36 Bk Berkelium (Ba^{3f}) ¹⁴⁺	98 252.0 68.81 · 1.36 Cf Californium (Ba^{3f}) ¹⁵⁺	99 253.0 68.81 · 1.36 Es Einsteinium (Ba^{3f}) ¹⁶⁺	100 258.0 68.81 · 1.36 Fm Fermium (Ba^{3f}) ¹⁷⁺	101 259.0 68.81 · 1.36 Md Mendelevium (Ba^{3f}) ¹⁸⁺	102 265.0 68.81 · 1.36 No Nobelium (Ba^{3f}) ¹⁹⁺
--	--	---	---	--	---	--	---	---	---	---	---	---	--	---	--	---	---	--	--	--	---	--	--	--	---	---	--