Periodic table of elements

Mendeleev's table

	1 IA	2 IIA	3 IIIA	4 IVB	5 VB	6 VIB	7 VIIB	8 VIIIB	9 VIIIB	10 VIIIB	11 IB	12 IIB	13 IIIA	14 IVA	15 VA	16 VIA	17 VIIA	18 VIIIA
1	1 2.20 1*s* **H** Hydrogen 1.00784–1.00811																	2 1*s* **He** Helium 4.002602(2)
2	3 0.98 2*s* **Li** Lithium 6.938–6.997	4 1.57 2*s* **Be** Beryllium 9.0121831(5)											5 2.04 2*p* **B** Boron 10.806–10.821	6 2.55 2*p* **C** Carbon 12.0096–12.0116	7 3.04 2*p* **N** Nitrogen 14.00643–14.00728	8 3.44 2*p* **O** Oxygen 15.99903–15.99977	9 3.98 2*p* **F** Fluorine 18.998403163(6)	10 2*p* **Ne** Neon 20.1797(6)
3	11 0.93 3*s* **Na** Sodium 22.98976928(2)	12 1.31 3*s* **Mg** Magnesium 24.304–24.307											13 1.61 3*p* **Al** Aluminium 26.9815385(7)	14 1.90 3*p* **Si** Silicon 28.084–28.086	15 2.19 3*p* **P** Phosphorus 30.973761998(5)	16 2.58 3*p* **S** Sulfur 32.059–32.076	17 3.16 3*p* **Cl** Chlorine 35.446–35.457	18 3*p* **Ar** Argon 39.948(1)
4	19 0.82 4*s* **K** Potassium 39.0983(1)	20 1.00 4*s* **Ca** Calcium 40.078(4)	21 1.36 3*d* **Sc** Scandium 44.955908(5)	22 1.54 3*d* **Ti** Titanium 47.867(1)	23 1.63 3*d* **V** Vanadium 50.9415(1)	24 1.66 3*d** **Cr** Chromium 51.9961(6)	25 1.55 3*d* **Mn** Manganese 54.938044(3)	26 1.83 3*d* **Fe** Iron 55.845(2)	27 1.88 3*d* **Co** Cobalt 58.933194(4)	28 1.91 3*d* **Ni** Nickel 58.6934(4)	29 1.90 3*d** **Cu** Copper 63.546(3)	30 1.65 3*d* **Zn** Zinc 65.38(2)	31 1.81 4*p* **Ga** Gallium 69.723(1)	32 2.01 4*p* **Ge** Germanium 72.630(8)	33 2.18 4*p* **As** Arsenic 74.921595(6)	34 2.55 4*p* **Se** Selenium 78.971(8)	35 2.96 4*p* **Br** Bromine 79.901–79.907	36 3.00 4*p* **Kr** Krypton 83.798(2)
5	37 0.82 5*s* **Rb** Rubidium 85.4678(3)	38 0.95 5*s* **Sr** Strontium 87.62(1)	39 1.22 4*d* **Y** Yttrium 88.90584(2)	40 1.33 4*d* **Zr** Zirconium 91.224(2)	41 1.6 4*d** **Nb** Niobium 92.90637(2)	42 2.16 4*d** **Mo** Molybdenum 95.95(1)	43 1.9 4*d* **Tc** Technetium (98)	44 2.2 4*d** **Ru** Ruthenium 101.07(2)	45 2.28 4*d** **Rh** Rhodium 102.90550(2)	46 2.20 4*d** **Pd** Palladium 106.42(1)	47 1.93 4*d** **Ag** Silver 107.8682(2)	48 1.69 4*d* **Cd** Cadmium 112.414(4)	49 1.78 5*p* **In** Indium 114.818(1)	50 1.96 5*p* **Sn** Tin 118.710(7)	51 2.05 5*p* **Sb** Antimony 121.760(1)	52 2.1 5*p* **Te** Tellurium 127.60(3)	53 2.66 5*p* **I** Iodine 126.90447(3)	54 2.60 5*p* **Xe** Xenon 131.293(6)
6	55 0.79 6*s* **Cs** Cesium 132.90545196(6)	56 0.89 6*s* **Ba** Barium 137.327(7)	* Lanthanides	72 1.3 5*d* **Hf** Hafnium 178.49(2)	73 1.5 5*d* **Ta** Tantalum 180.94788(2)	74 2.36 5*d* **W** Tungsten 183.84(1)	75 1.9 5*d* **Re** Rhenium 186.207(1)	76 2.2 5*d* **Os** Osmium 190.23(3)	77 2.20 5*d* **Ir** Iridium 192.217(3)	78 2.28 5*d** **Pt** Platinum 195.084(9)	79 2.54 5*d** **Au** Gold 196.966569(5)	80 2.00 5*d* **Hg** Mercury 200.592(3)	81 1.62 6*p* **Tl** Thallium 204.382–204.385	82 1.87 6*p* **Pb** Lead 207.2(1)	83 2.02 6*p* **Bi** Bismuth 208.98040(1)	84 2.0 6*p* **Po** Polonium (209)	85 2.2 6*p* **At** Astatine (210)	86 2.2 6*p* **Rn** Radon (222)
7	87 0.7 7*s* **Fr** Francium (223)	88 0.9 7*s* **Ra** Radium (226)	** Actinides	104 6*d* **Rf** Rutherfordium (261)	105 6*d* **Db** Dubnium (268)	106 6*d* **Sg** Seaborgium (269)	107 6*d* **Bh** Bohrium (270)	108 6*d* **Hs** Hassium (269)	109 6*d* **Mt** Meitnerium (278)	110 6*d* **Ds** Darmstadtium (281)	111 6*d* **Rg** Roentgenium (282)	112 6*d* **Cn** Copernicium (285)	113 7*p* **Nh** Nihonium (286)	114 7*p* **Fl** Flerovium (289)	115 7*p* **Mc** Moscovium (289)	116 7*p* **Lv** Livermorium (293)	117 7*p* **Ts** Tennessine (294)	118 7*p* **Og** Oganesson (294)
*				57 1.1 5*d** **La** Lanthanum 138.90547(7)	58 1.12 4*f** **Ce** Cerium 140.116(1)	59 1.13 4*f* **Pr** Praseodymium 140.90766(2)	60 1.14 4*f* **Nd** Neodymium 144.242(3)	61 1.13 4*f* **Pm** Promethium (145)	62 1.17 4*f* **Sm** Samarium 150.36(2)	63 1.2 4*f* **Eu** Europium 151.964(1)	64 1.2 4*f** **Gd** Gadolinium 157.25(3)	65 1.1 4*f* **Tb** Terbium 158.92535(2)	66 1.22 4*f* **Dy** Dysprosium 162.500(1)	67 1.23 4*f* **Ho** Holmium 164.93033(2)	68 1.24 4*f* **Er** Erbium 167.259(3)	69 1.25 4*f* **Tm** Thulium 168.93422(2)	70 1.1 4*f* **Yb** Ytterbium 173.045(10)	71 1.27 4*f* **Lu** Lutetium 174.9668(1)
**				89 1.1 6*d** **Ac** Actinium (227)	90 1.3 5*f** **Th** Thorium 232.0377(4)	91 1.5 5*f** **Pa** Protactinium 231.03588(2)	92 1.38 5*f** **U** Uranium 238.02891(3)	93 1.36 5*f** **Np** Neptunium (237)	94 1.28 5*f* **Pu** Plutonium (244)	95 1.13 5*f* **Am** Americium (243)	96 1.28 5*f** **Cm** Curium (247)	97 1.3 5*f* **Bk** Berkelium (247)	98 1.3 5*f* **Cf** Californium (251)	99 1.3 5*f* **Es** Einsteinium (252)	100 1.3 5*f* **Fm** Fermium (257)	101 1.3 5*f* **Md** Mendelevium (258)	102 1.3 5*f* **No** Nobelium (259)	103 1.3 5*f* **Lr** Lawrencium (266)

Z: atomic number
χ: electronegativity
ss: subshell
Sy: symbol
Name: element name
saw: standard atomic weight

Z χ ss
Sy
Name
saw

- Alkali Metal
- Alkaline Earth Metal
- Metal
- Metalloid
- Non-metal
- Halogen
- Noble Gas
- Lanthanide/Actinide

Standard atomic weights taken from the Commission on Isotopic Abundances and Atomic Weights (ciaaw.org/atomic-weights.htm).
An asterisk (*) next to a subshell indicates an anomalous (Aufbau rule-breaking) ground state electron configuration.