



The periodic table

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1 Hydrogen H 1.008	2 Lithium Li 6.94	3 Beryllium Be 9.0122	4 Magnesium Mg 24.305	5 Sodium Na 22.990	6 Potassium K 39.098	7 Calcium Ca 40.078(4)	8 Strontium Sr 87.62	9 Scandium Sc 44.956	10 Titanium Ti 47.867	11 Vanadium V 50.942	12 Chromium Cr 51.996	13 Manganese Mn 54.938	14 Iron Fe 55.845(2)	15 Cobalt Co 58.933	16 Nickel Ni 58.693	17 Copper Cu 63.546(3)	18 Zinc Zn 65.38(2)	19 Gallium Ga 69.723	20 Germanium Ge 72.630(8)	21 Arsenic As 74.922	22 Selenium Se 78.971(8)	23 Bromine Br 79.904	24 Krypton Kr 83.798(2)
Lithium Li 6.94	Beryllium Be 9.0122	Magnesium Mg 24.305	Sodium Na 22.990	Potassium K 39.098	Strontium Sr 87.62	Scandium Sc 44.956	Titanium Ti 47.867	Vanadium V 50.942	Chromium Cr 51.996	Manganese Mn 54.938	Iron Fe 55.845(2)	Cobalt Co 58.933	Nickel Ni 58.693	Copper Cu 63.546(3)	Zinc Zn 65.38(2)	Gallium Ga 69.723	Germanium Ge 72.630(8)	Arsenic As 74.922	Selenium Se 78.971(8)	Bromine Br 79.904	Krypton Kr 83.798(2)		
Rubidium Rb 85.468	Strontium Sr 87.62	Yttrium Y 88.906	Zirconium Zr 91.224(2)	Niobium Nb 92.906(2)	Molybdenum Mo 95.95	Technetium Tc [98.906]	Ruthenium Ru 101.07(2)	Rhodium Rh 102.91	Palladium Pd 106.42	Silver Ag 107.87	Cadmium Cd 112.41	Indium In 114.82	Tin Tn 118.71	Antimony Sb 121.76	Tellurium Te 127.60(3)	Iodine I 126.90	Xenon Xe 131.29						
Caesium Cs 132.91	Barium Ba 137.33	57-70 * Lutetium Lu 174.97	Hafnium Hf 178.49(2)	Tantalum Ta 180.95	Tungsten W 183.84	Rhenium Re 186.21	Osmium Os 190.23(2)	Iridium Ir 192.22	Platinum Pt 195.08	Gold Ag 196.97	Mercury Hg 200.59	Thallium Tl 204.38	Lead Pb 207.2	Bismuth Bi 208.98	Polonium Po [208.98]	Astatine At [209.99]	Radon Rn [222.02]						
Francium Fr [223.02]	Radium Ra [226.03]	89-102 ** Lawrencium Lr [262.11]	Rutherfordium Rf [267.12]	Dubnium Db [270.13]	Seaborgium Sg [269.13]	Bohrium Bh [270.13]	Hassium Hs [270.13]	Mitennium Mt [278.16]	Darmstadtium Ds [281.17]	Roentgenium Rg [281.17]	Copernicium Cn [285.18]	Nihonium Nh [286.18]	Flerovium Fl [289.19]	Moscovium Mc [289.19]	Livermorium Lv [293.20]	Tennessee Ts [293.21]	Oganesson Og [294.21]						

Lanthanum La 138.91	Cerium Ce 140.12	Praseodymium Pr 140.91	Neodymium Nd 144.24	Promethium Pm [144.91]	Samarium Sm 150.36(2)	Europium Eu 151.96	Gadolinium Gd 157.25(3)	Terbium Tb 158.93	Dysprosium Dy 162.50	Holmium Ho 164.93	Erbium Er 167.26	Thulium Tm 168.93	Ytterbium Yb 173.05
Actinium Ac [227.03]	Thorium Th 232.04	Protactinium Pa 231.04	Uranium U 238.03	Neptunium Np [237.05]	Plutonium Pu [244.06]	Americium Am [243.06]	Curium Cm [247.07]	Berkelium Bk [247.07]	Californium Cf [251.08]	Einsteinium Es [252.08]	Fermium Fm [257.10]	Mendelevium Md [258.10]	Nobelium No [259.10]

Symbols and names: the symbols and names of the elements, and their spellings are those recommended by the International Union of Pure and Applied Chemistry (IUPAC - <http://www.iupac.org/>). In some countries, the spellings aluminum, cesium, and sulphur are usual.

Group labels: the numeric system (1–18) used here is the current IUPAC convention.

Atomic weights (mean relative masses): these are the IUPAC 2013 values and given to 5 significant figures. The last significant figure of each value is considered reliable to ± 1 except where a larger uncertainty is given in parentheses. IUPAC representative values are given for those elements having an atomic weight interval (H, Li, B, C, N, O, Si, S, Cl, Ti). Elements for which the atomic weight is listed within square brackets have no stable nuclides and are represented by the element's longest lived isotope reported in the IUPAC 2013 values except Tc for which the value of Tc-99 given as that is the most commonly used isotope.