

Periodic Table of the Elements

Standard Atomic Weights 2023 - IUPAC / CIAAW



1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18															
1	Hydrogen H 1.0080 ± 0.0002	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18															
2	Lithium Li 6.94 ± 0.06	Beryllium Be 9.0122 ± 0.0001											Boron B 10.81 ± 0.02	Carbon C 12.011 ± 0.002	Nitrogen N 14.007 ± 0.001	Oxygen O 15.999 ± 0.001	Fluorine F 18.998 ± 0.001	Neon Ne 20.180 ± 0.001															
3	Sodium Na 22.990 ± 0.001	Magnesium Mg 24.305 ± 0.002	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18															
4	Potassium K 39.098 ± 0.001	Calcium Ca 40.078 ± 0.004	Scandium Sc 44.956 ± 0.001	Titanium Ti 47.867 ± 0.001	Vanadium V 50.942 ± 0.001	Chromium Cr 51.996 ± 0.001	Manganese Mn 54.938 ± 0.001	Iron Fe 55.845 ± 0.002	Cobalt Co 58.933 ± 0.001	Nickel Ni 58.693 ± 0.001	Copper Cu 63.546 ± 0.003	Zinc Zn 65.38 ± 0.02	Gallium Ga 69.723 ± 0.001	Silicon Si 28.085 ± 0.001	Phosphorus P 30.974 ± 0.001	Sulfur S 32.06 ± 0.02	Chlorine Cl 35.45 ± 0.01	Argon Ar 39.95 ± 0.16															
5	Rubidium Rb 85.468 ± 0.001	Strontium Sr 87.62 ± 0.01	Yttrium Y 88.906 ± 0.001	Zirconium Zr 91.224 ± 0.002	Niobium Nb 92.906 ± 0.001	Molybdenum Mo 95.95 ± 0.01	Technetium Tc [97]	Ruthenium Ru 101.07 ± 0.02	Rhodium Rh 102.91 ± 0.01	Palladium Pd 106.42 ± 0.01	Silver Ag 107.87 ± 0.01	Cadmium Cd 112.41 ± 0.01	Indium In 114.82 ± 0.01	Tin Sn 118.71 ± 0.01	Antimony Sb 121.76 ± 0.01	Tellurium Te 127.60 ± 0.03	Iodine I 126.90 ± 0.01	Xenon Xe 131.29 ± 0.01															
6	Cesium Cs 132.91 ± 0.01	Barium Ba 137.33 ± 0.01	Lanthanum La 138.91 ± 0.01	Hafnium Hf 178.49 ± 0.01	Tantalum Ta 180.95 ± 0.01	Tungsten W 183.84 ± 0.01	Rhenium Re 186.21 ± 0.01	Osmium Os 190.23 ± 0.03	Iridium Ir 192.22 ± 0.01	Platinum Pt 195.08 ± 0.02	Gold Au 196.97 ± 0.01	Mercury Hg 200.59 ± 0.01	Thallium Tl 204.38 ± 0.01	Lead Pb 207.2 ± 1.1	Bismuth Bi 208.98 ± 0.01	Polonium Po [209]	Astatine At [210]	Radon Rn [222]															
7	Francium Fr [223]	Radium Ra [226]	Actinium Ac [227]	Rutherfordium Rf [267]	Dubnium Db [268]	Seaborgium Sg [269]	Bohrium Bh [270]	Hassium Hs [269]	Meitnerium Mt [277]	Darmstadtium Ds [281]	Roentgenium Rg [282]	Copernicium Cn [285]	Nihonium Nh [286]	Flerovium Fl [290]	Moscovium Mc [290]	Livermorium Lv [293]	Tennessine Ts [294]	Oganesson Og [294]															
					58	Cerium Ce 140.12 ± 0.01	59	Praseodymium Pr 140.91 ± 0.01	60	Neodymium Nd 144.24 ± 0.01	61	Promethium Pm [145]	62	Samarium Sm 150.36 ± 0.02	63	Europium Eu 151.96 ± 0.01	64	Gadolinium Gd 157.25 ± 0.03	65	Terbium Tb 158.93 ± 0.01	66	Dysprosium Dy 162.50 ± 0.01	67	Holmium Ho 164.93 ± 0.01	68	Erbium Er 167.26 ± 0.01	69	Thulium Tm 168.93 ± 0.01	70	Ytterbium Yb 173.05 ± 0.02	71	Lutetium Lu 174.97 ± 0.01	
						90	Thorium Th 232.04 ± 0.01	91	Protactinium Pa 231.04 ± 0.01	92	Uranium U 238.03 ± 0.01	93	Neptunium Np [237]	94	Plutonium Pu [244]	95	Americium Am [243]	96	Curium Cm [247]	97	Berkelium Bk [247]	98	Californium Cf [251]	99	Einsteinium Es [252]	100	Fermium Fm [257]	101	Mendelevium Md [258]	102	Nobelium No [259]	103	Lawrencium Lr [262]

Key

Symbol color indicates physical state (STP):

Black: Solid
Blue: Gas

Green: Liquid
Grey: Unknown

[: Standard Atomic Weight (IUPAC).
Atomic number in red (top left).



*Lanthanide Series →

*Actinide Series →