

Periodic Table of the Elements

Standard Atomic Weights 2023 - IUPAC / CIAAW



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 Helium He 4.0026 ± 0.0001
2 Lithium Li 6.94 ± 0.06	4 Beryllium Be 9.0122 ± 0.0001											5 Boron B 10.81 ± 0.02	6 Carbon C 12.011 ± 0.002	7 Nitrogen N 14.007 ± 0.001	8 Oxygen O 15.999 ± 0.001	9 Fluorine F 18.998 ± 0.001	10 Neon Ne 20.180 ± 0.001
3 Sodium Na 22.990 ± 0.001	12 Magnesium Mg 24.305 ± 0.002											13 Aluminium Al 26.982 ± 0.001	14 Silicon Si 28.085 ± 0.001	15 Phosphorus P 30.974 ± 0.001	16 Sulfur S 32.06 ± 0.02	17 Chlorine Cl 35.45 ± 0.01	18 Argon Ar 39.95 ± 0.16
4 Potassium K 39.098 ± 0.001	20 Calcium Ca 40.078 ± 0.004	21 Scandium Sc 44.956 ± 0.001	22 Titanium Ti 47.867 ± 0.001	23 Vanadium V 50.942 ± 0.001	24 Chromium Cr 51.996 ± 0.001	25 Manganese Mn 54.938 ± 0.001	26 Iron Fe 55.845 ± 0.002	27 Cobalt Co 58.933 ± 0.001	28 Nickel Ni 58.693 ± 0.001	29 Copper Cu 63.546 ± 0.003	30 Zinc Zn 65.38 ± 0.02	31 Gallium Ga 69.723 ± 0.001	32 Germanium Ge 72.630 ± 0.008	33 Arsenic As 74.922 ± 0.001	34 Selenium Se 78.971 ± 0.008	35 Bromine Br 79.904 ± 0.003	36 Krypton Kr 83.798 ± 0.002
5 Rubidium Rb 85.468 ± 0.001	38 Strontium Sr 87.62 ± 0.01	39 Yttrium Y 88.906 ± 0.001	40 Zirconium Zr 91.224 ± 0.002	41 Niobium Nb 92.906 ± 0.001	42 Molybdenum Mo 95.95 ± 0.01	43 Technetium Tc [97]	44 Ruthenium Ru 101.07 ± 0.02	45 Rhodium Rh 102.91 ± 0.01	46 Palladium Pd 106.42 ± 0.01	47 Silver Ag 107.87 ± 0.01	48 Cadmium Cd 112.41 ± 0.01	49 Indium In 114.82 ± 0.01	50 Tin Sn 118.71 ± 0.01	51 Antimony Sb 121.76 ± 0.01	52 Tellurium Te 127.60 ± 0.03	53 Iodine I 126.90 ± 0.01	54 Xenon Xe 131.29 ± 0.01
6 Cesium Cs 132.91 ± 0.01	56 Barium Ba 137.33 ± 0.01	57 Lanthanum La 138.91 ± 0.01	72 Hafnium Hf 178.49 ± 0.01	73 Tantalum Ta 180.95 ± 0.01	74 Tungsten W 183.84 ± 0.01	75 Rhenium Re 186.21 ± 0.01	76 Osmium Os 190.23 ± 0.03	77 Iridium Ir 192.22 ± 0.01	78 Platinum Pt 195.08 ± 0.02	79 Gold Au 196.97 ± 0.01	80 Mercury Hg 200.59 ± 0.01	81 Thallium Tl 204.38 ± 0.01	82 Lead Pb 207.2 ± 1.1	83 Bismuth Bi 208.98 ± 0.01	84 Polonium Po [209]	85 Astatine At [210]	86 Radon Rn [222]
7 Francium Fr [223]	88 Radium Ra [226]	89 Actinium Ac [227]	104 Rutherfordium Rf [267]	105 Dubnium Db [268]	106 Seaborgium Sg [269]	107 Bohrium Bh [270]	108 Hassium Hs [269]	109 Meitnerium Mt [277]	110 Darmstadtium Ds [281]	111 Roentgenium Rg [282]	112 Copernicium Cn [285]	113 Nihonium Nh [286]	114 Flerovium Fl [290]	115 Moscovium Mc [290]	116 Livermorium Lv [293]	117 Tennessine Ts [294]	118 Oganesson Og [294]
		*Lanthanide Series →		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
		*Actinide Series →		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]