

| | | s | | d | | | | | | | | | | p | | | | | | | | | | |
|---|---|--|---|--|---|---|--|--|---|---|--|--|---|---------------------------------------|--|--|--|--------------------------------------|---|---------------------------------------|---|------------------------------------|---|------------------------------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | | | | |
| | | I A | II A | III B | IV B | V B | VI B | VII B | VIII | VIII | VIII | I B | II B | III A | IV A | V A | VI A | VII A | VIII A | | | | | |
| 1 | H 1 Hydrogen 1.00794 | Symbol color (30 °C): Solid Liquid Gas Synthetic | | | | | | | | | | | | | | | | He 2 Helium 4.002602 | | | | | | |
| 2 | Li 3 Lithium 6.939 | Be 4 Beryllium 9.012182 | Background color: Metals Non-metals Metalloids Transition metals Lanthanides Actinides Noble gases | | | | | | | | | | | | | | | | B 5 Boron 10.811 | C 6 Carbon 12.01115 | N 7 Nitrogen 14.00674 | O 8 Oxygen 15.9994 | F 9 Fluorine 18.9984032 | Ne 10 Neon 20.1797 |
| 3 | Na 11 Sodium 22.989769 | Mg 12 Magnesium 24.305 | Average atomic mass (u) | | | | | | | | | | | | | | | | Al 13 Aluminium 26.981538 | Si 14 Silicon 28.0855 | P 15 Phosphorus 30.973761 | S 16 Sulfur 32.066 | Cl 17 Chlorine 35.4527 | Ar 18 Argon 39.948 |
| 4 | K 19 Potassium 39.0983 | Ca 20 Calcium 40.078 | Sc 21 Scandium 44.955910 | Ti 22 Titanium 47.867 | V 23 Vanadium 50.9415 | Cr 24 Chromium 51.9961 | Mn 25 Manganese 54.938049 | Fe 26 Iron 55.8457 | Co 27 Cobalt 58.933199 | Ni 28 Nickel 58.6934 | Cu 29 Copper 63.546 | Zn 30 Zinc 65.39 | Ga 31 Gallium 69.723 | Ge 32 Germanium 72.61 | As 33 Arsenic 74.921596 | Se 34 Selenium 78.96 | Br 35 Bromine 79.904 | Kr 36 Krypton 83.80 | | | | | | |
| 5 | Rb 37 Rubidium 85.4679 | Sr 38 Strontium 87.62 | Y 39 Yttrium 88.905847 | Zr 40 Zirconium 91.224 | Nb 41 Niobium 92.906377 | Mo 42 Molybdenum 95.94 | Tc 43 Technecium 97.907214 | Ru 44 Ruthenium 101.07 | Rh 45 Rhodium 102.90550 | Pd 46 Palladium 106.42 | Ag 47 Silver 107.8682 | Cd 48 Cadmium 112.411 | In 49 Indium 114.818 | Sn 50 Tin 118.71 | Sb 51 Antimony 121.757 | Te 52 Tellurium 127.60 | I 53 Iodine 126.904473 | Xe 54 Xenon 131.29 | | | | | | |
| 6 | Cs 55 Cesium 132.905429 | Ba 56 Barium 137.327 | * | Hf 72 Hafnium 178.49 | Ta 73 Tantalum 180.9479 | W 74 Tungsten 183.84 | Re 75 Rhenium 186.207 | Os 76 Osmium 190.23 | Ir 77 Iridium 192.217 | Pt 78 Platinum 195.078 | Au 79 Gold 196.966543 | Hg 80 Mercury 200.59 | Tl 81 Thallium 204.3833 | Pb 82 Lead 207.19 | Bi 83 Bismuth 208.980347 | Po 84 Polonium (209) | At 85 Astatine (210) | Rn 86 Radon (222) | | | | | | |
| 7 | Fr 87 Francium (223) | Ra 88 Radium (226) | ** | Rf 104 Rutherfordium (261) | Db 105 Dubnium (268) | Sg 106 Seaborgium (271) | Bh 107 Bohrium (274) | Hs 108 Hassium (269) | Mt 109 Meitnerium (278) | Ds 110 Darmstadtium (281) | Rg 111 Roentgenium (281) | Cn 112 Copernicium (285) | Uut 113 Ununtrium - | Uuq 114 Ununquadium - | Uup 115 Ununpentium - | Uuh 116 Ununhexium - | Uus 117 Ununseptium - | Uuo 118 Ununoctium - | | | | | | |

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|-------------------------|---|--|--|--|--|---|---------------------------------------|--|---|--|---|--|--------------------------------------|--|--|---|
| * Lanthanides | 6 | La 57 Lanthanum 138.9055 | Ce 58 Cerium 140.115 | Pr 59 Praseodymium 140.90764 | Nd 60 Neodymium 144.24 | Pm 61 Promethium 144.912743 | Sm 62 Samarium 150.36 | Eu 63 Europium 151.965 | Gd 64 Gadolinium 157.25 | Tb 65 Terbium 158.925342 | Dy 66 Dysprosium 162.5 | Ho 67 Holmium 164.930319 | Er 68 Erbium 167.26 | Tm 69 Thulium 168.934212 | Yb 70 Ytterbium 173.04 | Lu 71 Lutetium 174.967 |
| ** Actinides | 7 | Ac 89 Actinium (227) | Th 90 Thorium 232.0381 | Pa 91 Protactinium (231) | U 92 Uranium 238.0289 | Np 93 Neptunium (237) | Pu 94 Plutonium (244) | Am 95 Americium (243) | Cm 96 Curium (247) | Bk 97 Berkelium (247) | Cf 98 Californium (251) | Es 99 Einsteinium (252) | Fm 100 Fermium (257) | Md 101 Mendelevium (258) | No 102 Nobelium (251) | Lr 103 Lawrencium (262) |