# Periodic Table of Elements

| | 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 O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 1.0079 H Hydrogen | | | | | | | | | | | | | | | | | 2 4,002 5 He Helium |
| 2 | 3 6,941 Li Lithium | 4 9,012 2 Be Beryllium | | | | | | | | | | | 5 10,811 B Boron | 6 12,011 C Carbon | 7 14,007 N Nitrogen | 8 15,999 O Oxygen | 9 18,998 F Fluorine | 10 20,180 Ne Neon |
| 3 | 11 22,990 Na Sodium | 12 24,305 Mg Magnesium | | | | | | | | | | | 13 26,982 Al Aluminium | 14 28,086 Si Silicon | 15 30,974 P Phosphorus | 16 32,065 S Sulphur | 17 35,453 Cl Chlorine | 18 39,948 Ar Argon |
| 4 | 19 39,098 K Potassium | 20 40,078 Ca Calcium | 21 44,956 Sc Scandium | 22 47,867 Ti Titanium | 23 50,942 V Vanadium | 24 51,996 Cr Chromium | 25 54,938 Mn Manganese | 26 55,845 Fe Iron | 27 58,933 Co Cobalt | 28 58,693 Ni Nickel | 29 63,546 Cu Copper | 30 65,39 Zn Zinc | 31 69,723 Ga Gallium | 32 72,64 Ge Germanium | 33 74,922 As Arsenic | 34 78,96 Se Selenium | 35 79,904 Br Bromine | 36 83,8 Kr Krypton |
| 5 | 37 85,468 Rb Rubidium | 38 87,62 Sr Strontium | 39 88,906 Y Yttrium | 40 91,224 Zr Zirconium | 41 92,906 Nb Niobium | 42 95,94 Mo Molybdenum | 43 96 Tc Technetium | 44 101,07 Ru Ruthenium | 45 102,91 Rh Rhodium | 46 106,42 Pd Palladium | 47 107,87 Ag Silver | 48 112,41 Cd Cadmium | 49 114,82 In Indium | 50 118,71 Sn Tin | 51 121,76 Sb Antimony | 52 127,6 Te Tellurium | 53 126,9 I Iodine | 54 131,29 Xe Xenon |
| 6 | 55 132,91 Cs Cesium | 56 137,33 Ba Barium | 57–71 La–Lu Lanthanides | 72 178,49 Hf Hafnium | 73 180,95 Ta Tantalum | 74 183,84 W Tungsten | 75 186,21 Re Rhenium | 76 190,23 Os Osmium | 77 192,22 Ir Iridium | 78 195,08 Pt Platinum | 79 196,97 Au Gold | 80 200,59 Hg Mercury | 81 204,38 Tl Thallium | 82 207,2 Pb Lead | 83 208,98 Bi Bismuth | 84 209 Po Polonium | 85 210 At Astatine | 86 222 Rn Radon |
| 7 | 87 223 Fr Francium | 88 226 Ra Radium | 89–103 Ac–Lr Actinides | 104 261 Rf Rutherfordium | 105 262 Db Dubnium | 106 266 Sg Seaborgium | 107 264 Bh Bohrium | 108 277 Hs Hassium | 109 268 Mt Meitnerium | 110 281 Ds Darmstadtium | 111 280 Rg Roentgenium | 112 285 Cn Copernicium | 113 284 Nh Nihonium | 114 289 Fl Flerovium | 115 288 Mc Moscovium | 116 293 Lv Livermorium | 117 292 Ts Tennessine | 118 294 Og Oganesson |

Atomic Number
13 26,982
Al
Aluminium
Relative Atomic Mass
Symbol
Name

(solid, liquid, gas at 0 °C and 1 atm)

Decay Product
88 226
Ra
Radium
95 243
Am
Américium
Synthetic Element

- Alkali Metals
- Alkaline Earth Metals
- Transition Metals
- Poor Metals
- Metalloids
- Non-Metals
- Halogens
- Noble Gases
- Lanthanides
- Actinides
- Unclassified

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 138,91 La Lanthanum | 58 140,12 Ce Cerium | 59 140,91 Pr Praseodymium | 60 144,24 Nd Neodymium | 61 145 Pm Promethium | 62 150,36 Sm Samarium | 63 151,96 Eu Europium | 64 157,25 Gd Gadolinium | 65 158,93 Tb Terbium | 66 162,50 Dy Dysprosium | 67 164,93 Ho Holmium | 68 167,26 Er Erbium | 69 168,93 Tm Thulium | 70 173,04 Yb Ytterbium | 71 174,97 Lu Lutetium |
| 89 227 Ac Actinium | 90 232,04 Th Thorium | 91 231,04 Pa Protactinium | 92 238,03 U Uranium | 93 237 Np Neptunium | 94 244 Pu Plutonium | 95 243 Am Americium | 96 247 Cm Curium | 97 247 Bk Berkelium | 98 251 Cf Californium | 99 252 Es Einsteinium | 100 257 Fm Fermium | 101 258 Md Mendelevium | 102 259 No Nobelium | 103 262 Lr Lawrencium |