

Periodic Table of the Elements

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|-----------|-----------|-----------|----------|-------------|----------|---------------|--------|----------|----------|------------|---------|------------|-----------|-----------|-----------|------------|----------|--------------|-----------|-------------|-----------|--------------|------------|-----------|-----------|------------|--------|-----------|-----------|-------------|---------|------------|-----------|-----------|-----------|-------------|-------|-------------|-----------|---------|---------|-------------|-----------|-----------|--------|------------|---------|
| 1 IA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 VIIIA | | | | | | | | | | | | | | | | | |
| 1 | 1.00794 | | | | | | | | | | | 2 | 4.002602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | | | | | | | | | | | | He | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrogen | | | | | | | | | | | | Helium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 IIA | | | | | | | | | | | | 13 IIIA | | | | | | 14 IVA | | 15 VA | | 16 VIA | | 17 VIIA | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 6.941 | 4 | 9.012182 | | | | | | | | | | | 5 | 10.811 | 6 | 12.0107 | 7 | 14.0067 | 8 | 15.9994 | 9 | 18.9984032 | 10 | 20.1797 | | | | | | | | | | | | | | | | | | | | | | |
| Li | | Be | | | | | | | | | | | | B | | C | | N | | O | | F | | Ne | | | | | | | | | | | | | | | | | | | | | | | |
| Lithium | | Beryllium | | | | | | | | | | | | Boron | | Carbon | | Nitrogen | | Oxygen | | Fluorine | | Neon | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 22.98977 | 12 | 24.305 | | | | | | | | | | | 13 | 26.981538 | 14 | 28.0855 | 15 | 30.973761 | 16 | 32.065 | 17 | 35.453 | 18 | 39.948 | | | | | | | | | | | | | | | | | | | | | | |
| Na | | Mg | | | | | | | | | | | | Al | | Si | | P | | S | | Cl | | Ar | | | | | | | | | | | | | | | | | | | | | | | |
| Sodium | | Magnesium | | | | | | | | | | | | Aluminum | | Silicon | | Phosphorus | | Sulfur | | Chlorine | | Argon | | | | | | | | | | | | | | | | | | | | | | | |
| 3 IIIA | | 4 IVB | | 5 VB | | 6 VIB | | 7 VIIB | | 8 VIIIB | | 9 VIIIB | | 10 VIIIB | | 11 IB | | 12 IIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 39.0983 | 20 | 40.078 | 21 | 44.95591 | 22 | 47.867 | 23 | 50.9415 | 24 | 51.9961 | 25 | 54.938049 | 26 | 55.845 | 27 | 58.9332 | 28 | 58.6934 | 29 | 63.546 | 30 | 65.409 | 31 | 69.723 | 32 | 72.64 | 33 | 74.9216 | 34 | 78.96 | 35 | 79.904 | 36 | 83.798 | | | | | | | | | | | | |
| K | | Ca | | Sc | | Ti | | V | | Cr | | Mn | | Fe | | Co | | Ni | | Cu | | Zn | | Ga | | Ge | | As | | Se | | Br | | Kr | | | | | | | | | | | | | |
| Potassium | | Calcium | | Scandium | | Titanium | | Vanadium | | Chromium | | Manganese | | Iron | | Cobalt | | Nickel | | Copper | | Zinc | | Gallium | | Germanium | | Arsenic | | Selenium | | Bromine | | Krypton | | | | | | | | | | | | | |
| 37 | 85.4678 | 38 | 87.62 | 39 | 88.90585 | 40 | 91.224 | 41 | 92.90638 | 42 | 95.94 | 43 | 98 | 44 | 101.07 | 45 | 102.9055 | 46 | 106.42 | 47 | 107.8682 | 48 | 112.411 | 49 | 114.818 | 50 | 118.71 | 51 | 121.76 | 52 | 127.6 | 53 | 126.90447 | 54 | 131.293 | | | | | | | | | | | | |
| Rb | | Sr | | Y | | Zr | | Nb | | Mo | | Tc | | Ru | | Rh | | Pd | | Ag | | Cd | | In | | Sn | | Sb | | Te | | I | | Xe | | | | | | | | | | | | | |
| Rubidium | | Strontium | | Yttrium | | Zirconium | | Niobium | | Molybdenum | | Technetium | | Ruthenium | | Rhodium | | Palladium | | Silver | | Cadmium | | Indium | | Tin | | Antimony | | Tellurium | | Iodine | | Xenon | | | | | | | | | | | | | |
| 55 | 132.90545 | 56 | 137.327 | 57-71 | | 72 | 178.49 | 73 | 180.9479 | 74 | 183.84 | 75 | 186.207 | 76 | 190.23 | 77 | 192.217 | 78 | 195.078 | 79 | 196.96655 | 80 | 200.59 | 81 | 204.3833 | 82 | 207.2 | 83 | 208.98038 | 84 | 209 | 85 | 210 | 86 | 222 | | | | | | | | | | | | |
| Cs | | Ba | | lanthanoids | | Hf | | Ta | | W | | Re | | Os | | Ir | | Pt | | Au | | Hg | | Tl | | Pb | | Bi | | Po | | At | | Rn | | | | | | | | | | | | | |
| Cesium | | Barium | | | | Hafnium | | Tantalum | | Tungsten | | Rhenium | | Osmium | | Iridium | | Platinum | | Gold | | Mercury | | Thallium | | Lead | | Bismuth | | Polonium | | Astatine | | Radon | | | | | | | | | | | | | |
| 87 | 223 | 88 | 226 | 89-103 | | 104 | 261 | 105 | 262 | 106 | 266 | 107 | 264 | 108 | 277 | 109 | 268 | 110 | 281 | 111 | 272 | 112 | NA | 113 | NA | 114 | NA | 115 | NA | 116 | NA | 117 | NA | 118 | NA | | | | | | | | | | | | |
| Fr | | Ra | | actinoids | | Rf | | Db | | Sg | | Bh | | Hs | | Mt | | Ds | | Rg | | Cn | | Nh | | Fl | | Mc | | Lv | | Ts | | Og | | | | | | | | | | | | | |
| Francium | | Radium | | | | Rutherfordium | | Dubnium | | Seaborgium | | Bohrium | | Hassium | | Meitnerium | | Darmstadtium | | Roentgenium | | Copernicium | | Nihonium | | Flerovium | | Moscovium | | Livermorium | | Tennessine | | Oganesson | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 57 | 138.9055 | 58 | 140.116 | 59 | 140.90765 | 60 | 144.24 | 61 | 145 | 62 | 150.36 | 63 | 151.964 | 64 | 157.25 | 65 | 158.92534 | 66 | 162.5 | 67 | 164.93032 | 68 | 167.259 | 69 | 168.93421 | 70 | 173.04 | 71 | 174.967 |
| | | | | | | | | | | | | | | | | | | La | | Ce | | Pr | | Nd | | Pm | | Sm | | Eu | | Gd | | Tb | | Dy | | Ho | | Er | | Tm | | Yb | | Lu | |
| | | | | | | | | | | | | | | | | | | Lanthanum | | Cerium | | Praseodymium | | Neodymium | | Promethium | | Samarium | | Europium | | Gadolinium | | Terbium | | Dysprosium | | Holmium | | Erbium | | Thulium | | Ytterbium | | Lutetium | |
| | | | | | | | | | | | | | | | | | | 89 | 227 | 90 | 232.0381 | 91 | 231.03588 | 92 | 238.02891 | 93 | 237 | 94 | 244 | 95 | 243 | 96 | 247 | 97 | 247 | 98 | 251 | 99 | 252 | 100 | 257 | 101 | 258 | 102 | 259 | 103 | 262 |
| | | | | | | | | | | | | | | | | | | Ac | | Th | | Pa | | U | | Np | | Pu | | Am | | Cm | | Bk | | Cf | | Es | | Fm | | Md | | No | | Lr | |
| | | | | | | | | | | | | | | | | | | Actinium | | Thorium | | Protactinium | | Uranium | | Neptunium | | Plutonium | | Americium | | Curium | | Berkelium | | Californium | | Einsteinium | | Fermium | | Mendelevium | | Nobelium | | Lawrencium | |