

Periodic Table of the Elements

The Periodic Table of the Elements is a tabular arrangement of chemical elements. It consists of 18 groups, 7 periods, and 32 transition metals. The elements are color-coded by group: alkali metals (red), alkali earth metals (orange), transition metals (yellow), post-transition metals (green), halogens (blue), and noble gases (purple). Each element's symbol, name, and atomic mass are displayed within its respective cell.

| | | | |
|-----|----|--------------|---------|
| 1 | H | Hydrogen | 1.008 |
| 2 | He | Helium | 4.003 |
| 3 | Li | Lithium | 6.941 |
| 4 | Be | Boron | 9.012 |
| 5 | Na | Sodium | 22.990 |
| 6 | Mg | Magnesium | 24.312 |
| 7 | K | Calcium | 39.102 |
| 8 | Ca | Sodium | 39.102 |
| 9 | Sc | Titanium | 45.982 |
| 10 | Ti | Titanium | 45.982 |
| 11 | V | Vanadium | 50.942 |
| 12 | Cr | Chromium | 51.996 |
| 13 | Mn | Manganese | 54.938 |
| 14 | Fe | Iron | 55.845 |
| 15 | Co | Cobalt | 58.933 |
| 16 | Ni | Nickel | 58.933 |
| 17 | Cu | Copper | 63.546 |
| 18 | Zn | Zinc | 65.402 |
| 19 | Ga | Gallium | 69.724 |
| 20 | Ge | Germanium | 72.611 |
| 21 | As | Arsenic | 74.922 |
| 22 | Se | Selenium | 74.922 |
| 23 | Br | Bromine | 79.904 |
| 24 | Kr | Krypton | 83.80 |
| 25 | Rb | Rubidium | 85.467 |
| 26 | Sr | Samarium | 87.621 |
| 27 | Y | Yttrium | 88.905 |
| 28 | Zr | Zirconium | 91.224 |
| 29 | Nb | Niobium | 91.996 |
| 30 | Mo | Molybdenum | 95.94 |
| 31 | Tc | Techne | 98.00 |
| 32 | Ru | Ruthenium | 101.092 |
| 33 | Rh | Rhenium | 102.905 |
| 34 | Pd | Palladium | 106.42 |
| 35 | Ag | Silver | 107.870 |
| 36 | Cd | Cadmium | 112.413 |
| 37 | In | Inertium | 114.82 |
| 38 | Sn | Tin | 118.710 |
| 39 | Sb | Antimony | 121.76 |
| 40 | Te | Tellurium | 127.60 |
| 41 | I | Iodine | 126.90 |
| 42 | Xe | Krypton | 131.30 |
| 43 | Cs | Cesium | 132.910 |
| 44 | Ba | Boron | 137.34 |
| 45 | Hf | Hafnium | 178.49 |
| 46 | Ta | Tantalum | 180.955 |
| 47 | W | Tungsten | 183.84 |
| 48 | Re | Rhenium | 186.207 |
| 49 | Os | Osmium | 190.231 |
| 50 | Ir | Iridium | 192.241 |
| 51 | Pt | Pt | 190.231 |
| 52 | Au | Gold | 196.967 |
| 53 | Hg | Mercury | 200.592 |
| 54 | Tl | Thallium | 204.382 |
| 55 | Pb | Pb | 207.2 |
| 56 | Bi | Bismuth | 208.982 |
| 57 | Po | Po | 209.982 |
| 58 | At | Astatine | 210.00 |
| 59 | Rn | Rn | 222.00 |
| 60 | Fr | Fr | 223.00 |
| 61 | Ra | Ra | 226.00 |
| 62 | Rf | Rf | 224.00 |
| 63 | Db | Db | 227.00 |
| 64 | Sg | Sg | 228.00 |
| 65 | Bh | Bh | 229.00 |
| 66 | Hs | Hs | 229.00 |
| 67 | Mt | Mt | 229.00 |
| 68 | Ds | Ds | 229.00 |
| 69 | Rg | Rg | 229.00 |
| 70 | Cn | Cn | 229.00 |
| 71 | Nh | Nh | 229.00 |
| 72 | Fl | Fl | 229.00 |
| 73 | Mc | Mc | 229.00 |
| 74 | Lv | Lv | 229.00 |
| 75 | Ts | Ts | 229.00 |
| 76 | Og | Og | 229.00 |
| 77 | La | La | 138.91 |
| 78 | Ce | Ce | 140.119 |
| 79 | Pr | Pr | 140.91 |
| 80 | Nd | Nd | 144.242 |
| 81 | Pm | Pm | 147.07 |
| 82 | Sm | Sm | 150.919 |
| 83 | Eu | Eu | 151.96 |
| 84 | Gd | Gd | 157.25 |
| 85 | Tb | Tb | 158.93 |
| 86 | Dy | Dy | 162.56 |
| 87 | Ho | Ho | 164.93 |
| 88 | Er | Er | 167.26 |
| 89 | Tm | Tm | 168.93 |
| 90 | Yb | Yb | 173.04 |
| 91 | Lu | Lu | 174.97 |
| 92 | Ac | Actinium | 196.97 |
| 93 | Th | Thorium | 232.038 |
| 94 | Pa | Protactinium | 231.036 |
| 95 | U | Uranium | 238.028 |
| 96 | Np | Np | 237.048 |
| 97 | Pu | Pu | 244.064 |
| 98 | Am | Am | 243.061 |
| 99 | Cm | Cm | 247.070 |
| 100 | Bk | Bk | 247.070 |
| 101 | Cf | Cf | 251.070 |
| 102 | Es | Es | 252.070 |
| 103 | Fm | Fm | 257.070 |
| 104 | Md | Md | 253.070 |
| 105 | No | No | 259.070 |
| 106 | Lr | Lr | 257.070 |

Actinides
Alkaline Earth Metals
Transition Metals
Post-Transition Metals
Noble Gases
Lanthanides
Halogens

The Periodic Table Of Science Fiction

Michael Swanwick

The Periodic Table Of Science Fiction:

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