

THE PERIODIC TABLE OF ELEMENTS

| Symbol Key | | | | | | | | | | | | | | | | | | Groups of elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------------|--|--|--|---|--|--|---|--|--|--|--|--|--|--|---|--|---|--|---|--|---|---|--|---|---|---|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | <ul style="list-style-type: none"> ■ s block elements ■ p block elements ■ d block elements ■ f block elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 H HYDROGEN 1.008 | | | | | | | | | | | | | | | | | | 2 He HELIUM 4.003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Li LITHIUM 6.941 | 4 Be BERYLLIUM 9.012 | | | | | | | | | | | | | | | | | 5 B BORON 10.811 | 6 C CARBON 12.011 | 7 N NITROGEN 14.007 | 8 O OXYGEN 15.999 | 9 F FLUORINE 18.998 | 10 Ne NEON 20.180 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 Na SODIUM 22.990 | 12 Mg MAGNESIUM 24.305 | | | | | | | | | | | | | | | | | 13 Al ALUMINIUM 26.982 | 14 Si SILICON 28.086 | 15 P PHOSPHORUS 30.974 | 16 S SULFUR 32.065 | 17 Cl CHLORINE 35.453 | 18 Ar ARGON 39.948 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 K POTASSIUM 39.098 | 20 Ca CALCIUM 40.078 | 21 Sc SCANDIUM 44.956 | 22 Ti TITANIUM 47.867 | 23 V VANADIUM 50.942 | 24 Cr CHROMIUM 51.996 | 25 Mn MANGANESE 54.938 | 26 Fe IRON 55.845 | 27 Co COBALT 58.933 | 28 Ni NICKEL 58.693 | 29 Cu COPPER 63.546 | 30 Zn ZINC 65.382 | 31 Ga GALLIUM 69.723 | 32 Ge GERMANIUM 72.640 | 33 As ARSENIC 74.922 | 34 Se SELENIUM 78.971 | 35 Br BROMINE 79.904 | 36 Kr KRYPTON 83.798 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 Rb RUBIDIUM 85.468 | 38 Sr STRONTIUM 87.620 | 39 Y YTTRIUM 88.906 | 40 Zr ZIRCONIUM 91.224 | 41 Nb NIObIUM 92.906 | 42 Mo MOLYBDENUM 95.951 | 43 Tc TECHNETIUM (97.907) | 44 Ru RUTHENIUM 101.072 | 45 Rh RHODIUM 102.906 | 46 Pd PALLADIUM 106.421 | 47 Ag SILVER 107.868 | 48 Cd CADMIUM 112.414 | 49 In INDIUM 114.818 | 50 Sn TIN 118.711 | 51 Sb ANTIMONY 121.760 | 52 Te TELLURIUM 127.603 | 53 I IODINE 126.904 | 54 Xe XENON 131.294 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 Cs CAESIUM 132.905 | 56 Ba BARIUM 137.328 | E57-71 | | 72 Hf HAFNIUM 178.492 | 73 Ta TANTALUM 180.948 | 74 W TUNGSTEN 183.841 | 75 Re RHENIUM 186.207 | 76 Os OSMIUM 190.233 | 77 Ir IRIDIUM 192.217 | 78 Pt PLATINUM 195.084 | 79 Au GOLD 196.967 | 80 Hg MERCURY 200.592 | 81 Tl THALLIUM 204.383 | 82 Pb LEAD 207.210 | 83 Bi BISMUTH 208.980 | 84 Po POLONIUM (208.982) | 85 At ASTATINE (209.987) | 86 Rn RADON (222.018) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 Fr FRANCIUM (223.020) | 88 Ra RADIUM (226.025) | E89-103 | | 104 Rf RUTHERFORDIUM (261.109) | 105 Db DUBNIUM (262.114) | 106 Sg SEABORGIUM (266.122) | 107 Bh BOHRIUM (264.120) | 108 Hs HASSIUM (277.000) | 109 Mt MEITNERIUM (268.139) | 110 Ds DARMSTADIUM (281.000) | 111 Rg ROENTGENIUM (280.000) | 112 Cn COPERNICIUM (285.000) | 113 Nh NIHOIUM (286.000) | 114 Fl FLEROVIUM (289.000) | 115 Mc MOSCOVIUM (289.000) | 116 Lv LIVERMORIUM (293.000) | 117 Ts TENNESSINE (294.000) | 118 Og OGANESSON (294.000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 57 La LANTHANUM 138.905 | 58 Ce CERIUM 140.116 | 59 Pr PRASEODYMIUM 140.908 | 60 Nd NEODYMIUM 144.242 | 61 Pm PROMETHIUM (144.000) | 62 Sm SAMARIUM 150.362 | 63 Eu EUROPIUM 151.964 | 64 Gd GADOLINIUM 157.253 | 65 Tb TERBIUM 158.925 | 66 Dy DYSPROSIUM 162.500 | 67 Ho HOLMIUM 164.930 | 68 Er ERBIUM 167.259 | 69 Tm THULIUM 168.934 | 70 Yb YTTERIUM 173.054 | 71 Lu LUTETIUM 174.967 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 89 Ac ACTINIUM (227.028) | 90 Th THORIUM (232.038) | 91 Pa PROTACTINIUM (231.036) | 92 U URANIUM (238.029) | 93 Np NEPTUNIUM (237.048) | 94 Pu PLUTONIUM (244.064) | 95 Am AMERICIUM (243.061) | 96 Cm CURIUM (247.070) | 97 Bk BERKELIUM (247.070) | 98 Cf CALIFORNIUM (251.080) | 99 Es EINSTEINIUM (252.083) | 100 Fm FERMIUM (257.095) | 101 Md MENDELEVIUM (258.098) | 102 No NOBELIUM (259.101) | 103 Lr LAWRENCIUM (262.110) | | | | | | | | | | | | | | | | | | |

