

PERIODIC TABLE OF THE ELEMENTS

| Filled Shells | 1 IA | Key to Periodic Table | | | | | | | | | | 13 IIIA | 14 IVA | 15 VA | 16 VIA | 17 VIIA | 18 0 | |
|---------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------|-------------------------------------------------|---------------------------------------------------|------------------------------------------------------|-------------------------------------------------|---------------------------------------------------|
| | 1 H Hydrogen 1.0079 1 | Atomic No. → 42 Mo ← Atomic Symbol ← Atomic Weight → 95.94 ← Name → Molybdenum ← Electron Configuration → -18-13-1 | | | | | | | | | | 5 B Boron 10.811 2-3 | 6 C Carbon 12.011 2-4 | 7 N Nitrogen 14.0067 2-5 | 8 O Oxygen 15.9994 2-6 | 9 F Fluorine 18.9984 2-7 | 10 Ne Neon 20.1797 2-8 | |
| | 3 Li Lithium 6.941 2-1 | 4 Be Beryllium 9.0122 2-2 | Transition Metals | | | | | | | | | | 13 Al Aluminium 26.9815 2-3-3 | 14 Si Silicon 28.0855 2-3-4 | 15 P Phosphorus 30.9738 2-3-5 | 16 S Sulphur 32.006 2-3-6 | 17 Cl Chlorine 35.4527 2-3-7 | 18 Ar Argon 39.948 2-3-8 |
| | 11 Na Sodium 22.9898 2-8-1 | 12 Mg Magnesium 24.3050 2-8-2 | 3 IIIA | 4 IVA | 5 VA | 6 VIA | 7 VIIA | 8 | 9 VIII | 10 | 11 IB | 12 IIB | 13 Ga Gallium 69.723 2-8-3 | 14 Ge Germanium 72.61 2-8-4 | 15 As Arsenic 74.9216 2-8-5 | 16 Se Selenium 78.96 2-8-6 | 17 Br Bromine 79.904 2-8-7 | 18 Kr Krypton 83.80 2-8-8 |
| 2 | 19 K Potassium 39.0983 8-8-1 | 20 Ca Calcium 40.078 8-8-2 | 21 Sc Scandium 44.9559 8-9-2 | 22 Ti Titanium 47.867 8-10-2 | 23 V Vanadium 50.9415 8-11-2 | 24 Cr Chromium 51.9961 8-13-1 | 25 Mn Manganese 54.9381 8-13-2 | 26 Fe Iron 55.845 8-14-2 | 27 Co Cobalt 58.9332 8-15-2 | 28 Ni Nickel 58.6934 8-16-2 | 29 Cu Copper 63.546 8-18-1 | 30 Zn Zinc 65.39 8-18-2 | 31 Ga Gallium 69.723 8-18-3 | 32 Ge Germanium 72.61 8-18-4 | 33 As Arsenic 74.9216 8-18-5 | 34 Se Selenium 78.96 8-18-6 | 35 Br Bromine 79.904 8-18-7 | 36 Kr Krypton 83.80 8-18-8 |
| 2-8 | 37 Rb Rubidium 85.4678 18-8-1 | 38 Sr Strontium 87.62 18-8-2 | 39 Y Yttrium 88.9059 18-9-2 | 40 Zr Zirconium 91.224 18-10-2 | 41 Nb Niobium 92.9064 18-12-1 | 42 Mo Molybdenum 95.94 18-13-1 | 43 Tc Technetium (97.9072) 18-13-2 | 44 Ru Ruthenium 101.07 18-15-1 | 45 Rh Rhodium 102.9055 18-16-1 | 46 Pd Palladium 106.42 18-18-0 | 47 Ag Silver 107.8682 18-18-1 | 48 Cd Cadmium 112.411 18-18-2 | 49 In Indium 114.818 18-18-3 | 50 Sn Tin 118.710 18-18-4 | 51 Sb Antimony 121.760 18-18-5 | 52 Te Tellurium 127.60 18-18-6 | 53 I Iodine 126.9045 18-18-7 | 54 Xe Xenon 131.29 18-18-8 |
| 2-8-18 | 55 Cs Caesium 132.9054 18-8-1 | 56 Ba Barium 137.327 18-8-2 | 57 La Lanthanum 138.9055 18-9-2 | 72 Hf Hafnium 178.49 32-10-2 | 73 Ta Tantalum 180.9479 32-11-2 | 74 W Tungsten 183.84 32-12-2 | 75 Re Rhenium 186.207 32-13-2 | 76 Os Osmium 190.2 32-14-2 | 77 Ir Iridium 192.217 32-15-2 | 78 Pt Platinum 195.08 32-16-2 | 79 Au Gold 196.9665 32-18-1 | 80 Hg Mercury 200.59 32-18-2 | 81 Tl Thallium 204.3833 32-18-3 | 82 Pb Lead 207.2 32-18-4 | 83 Bi Bismuth 208.9804 32-18-5 | 84 Po Polonium (208.9824) 32-18-6 | 85 At Astatine (210) 32-18-7 | 86 Rn Radon (222.0176) 32-18-8 |
| 2-8-18-32 | 87 Fr Francium (223.0197) 18-8-1 | 88 Ra Radium (226.0254) 18-8-2 | 89 Ac Actinium (227.0278) 18-9-2 | | | | | | | | | | | | | | | |

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| Lanthanides | 58 Ce Cerium 140.445 20-8-2 | 59 Pr Praseodymium 140.9007 21-8-2 | 60 Nd Neodymium 144.24 22-8-2 | 61 Pm Promethium (144.9127) 23-8-2 | 62 Sm Samarium 150.36 24-8-2 | 63 Eu Europium 151.965 25-8-2 | 64 Gd Gadolinium 157.25 25-9-2 | 65 Tb Terbium 158.9253 25-8-2 | 66 Dy Dysprosium 162.50 28-8-2 | 67 Ho Holmium 164.9303 29-8-2 | 68 Er Erbium 167.26 30-8-2 | 69 Tm Thulium 168.9342 31-8-2 | 70 Yb Ytterbium 173.04 32-8-2 | 71 Lu Lutetium 174.967 32-9-2 |
| Actinides | 90 Th Thorium 232.0381 18-10-2 | 91 Pa Protactinium (231.0388) 20-9-2 | 92 U Uranium 238.0289 21-9-2 | 93 Np Neptunium (237.0482) 22-9-2 | 94 Pu Plutonium (244.0642) 24-8-2 | 95 Am Americium (243.0614) 25-8-2 | 96 Cm Curium (247.0703) 25-9-2 | 97 Bk Berkelium (247.0703) 27-8-2 | 98 Cf Californium (251.0796) 28-8-2 | 99 Es Einsteinium (252.083) 29-8-2 | 100 Fm Fermium (257.0951) 30-8-2 | 101 Md Mendelevium (258.10) 31-8-2 | 102 No Nobelium (259.1009) 32-8-2 | 103 Lr Lawrencium (262.11) 32-9-2 |

Note: Atomic weights are based on the 1993 IUPAC Table of Standard Atomic Weights.

Values in parentheses are used for certain radioactive elements; this value is the relative atomic mass of the isotope of that element of longest known half life.



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