# **The Periodic Table of the Elements**

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|  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 18 |
| 1 | 1  **H**  1.0079  Hydrogen | 2 |  |  |  |  |  |  |  |  |  |  | 13 | 14 | 15 | 16 | 16 | 2  **He**  4.0026  Helium |
| 2 | 3  **Li**  6.941  Lithium | 4  **Be**  9.0123  Beryllium |  |  |  |  |  |  |  |  |  |  | 5  **B**  10.81  Boron | 6  **C**  12.011  Carbon | 7  **N**  14.007  Nitrogen | 8  **O**  15.999  Oxygen | 9  **F**  18.998  Fluorine | 10  **Ne**  20.179  Neon |
| 3 | 11  **Na**  22.990  Sodium | 12  **Mg**  24.305  Magnesium | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13  **Al**  26.982  Aluminum | 14  **Si**  28.085  Silicon | 15  **P**  30.974  Phosphorus | 16  **S**  32.06  Sulfur | 17  **Cl**  35.453  Chlorine | 18  **Ar**  39.948  Argon |
| 4 | 19  **K**  39.089  Potassium | 20  **Ca**  40.08  Calcium | 21  **Sc**  44.956  Scandium | 22  **Ti**  47.88  Titanium | 23  **V**  50.942  Vanadium | 24  **Cr**  51.996  Chromium | 25  **Mn**  54.938  Manganese | 26  **Fe**  55.847  Iron | 27  **Co**  58.933  Cobalt | 28  **Ni**  58.69  Nickel | 29  **Cu**  63.546  Copper | 30  **Zn**  65.38  Zinc | 31  **Ga**  69.72  Gallium | 32  **Ge**  72.59  Germanium | 33  **As**  74.92  Arsnic | 34  **Se**  78.96  Selenium | 35  **Br**  79.904  Bromine | 36  **Kr**  83.80  Krypton |
| 5 | 37  **Rb**  85.468  Rubidium | 38  **Sr**  87.62  Strontium | 39  **Y**  88.91  Yttrium | 40  **Zr**  91.224  Zirconium | 41  **Nb**  92.906  Niobium | 42  **Mo**  95.94  Molybdenum | 43  **Tc**  (98)  Tecnecium | 44  **Ru**  101.07  Ruthenium | 45  **Rh**  102.906  Rhodium | 46  **Pd**  106.42  Palladium | 47  **Ag**  107.87  Silver | 48  **Cd**  112.411  Cadmium | 49  **In**  114.82  Indium | 50  **Sn**  118.69  Tin | 51  **Sb**  121.75  Antimony | 52  **Te**  127.60  Tellurium | 53  **I**  126.91  Iodine | 54  **Xe**  131.29  Xenon |
| 6 | 55  **Cs**  132.91  Cesium | 56  **Ba**  137.33  Barium | 57  **La**  138.91  Lanthanum | 72  **Hf**  178.49  Hafnium | 73  **Ta**  180.95  Tantalum | 74  **W**  183.85  Tungsten | 75  **Re**  186.207  Rhenium | 76  **Os**  190.2  Osmium | 77  **Ir**  192.22  Iridium | 78  **Pt**  195.08  Platinum | 79  **Au**  196.97  Gold | 80  **Hg**  200.59  Mercury | 81  **Tl**  204.38  Thallium | 82  **Pb**  207.2  Lead | 83  **Bi**  208.9804  Bismuth | 84  **Po**  (209)  Polonium | 85  **At**  (210)  Astatine | 86  **Rn**  (222)  Radon |
| 7 | 87  **Fr**  (223)  Francium | 88  **Ra**  226.025  Radium | 89  **Ac**  (227)  Actinium | 104  **Rf**  (265.12)  Rutherfordium | 105  **Db**  (268.13)  Dubenium | 106  **Sg**  (271.13)  Seaborgium | 107  **Bh**  (270)  Bohrium | 108  **Hs**  (277.15)  Hassium | 109  **Mt**  (276.15)  Meiterium | 110  **Ds**  (281.16)  Darmstadtium | 111  **Rg**  (280.16)  Roentgenium | 112  **Cn**  (285.17)  Copernicium | 113  **Nh**  (284.18)  Nihonium | 114  **Fl**  (289.19)  Flerovium | 115  **Mc**  (288.19)  Moscovium | 116  **Lv**  (293)  Livermorium | 117  **Ts**  (294)  Tennessine | 118  **Og**  (294)  Oganesson |

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| 58  **Ce**  140.12  Cerium | 59  **Pr**  140.91  Praseodymium | 60  **Nd**  144.24  Neodymium | 61  **Pm**  (145)  Promethium | 62  **Sm**  150.36  Samarium | 63  **Eu**  151.97  Europium | 64  **Gd**  157.25  Gadolinium | 65  **Tb**  158.93  Terbium | 66  **Dy**  162.50  Dysporsium | 67  **Ho**  164.93  Holmium | 68  **Er**  167.26  Erbium | 69  **Tm**  168.93  Thulium | 70  **Yb**  173.04  Ytterbium | 71  **Lu**  174.97  Lutetium |
| 90  **Th**  232.04  Thorium | 91  **Pa**  231.04  Protactinium | 92  **U**  238.03  Uranium | 93  **Np**  (237)  Neptunium | 94  **Pu**  (244)  Plutonium | 95  **Am**  (243)  Americium | 96  **Cm**  (247)  Curium | 97  **Bk**  (247)  Berkelium | 98  **Cf**  (251)  Californium | 99  **Es**  (252)  Einsteinium | 100  **Fm**  (257)  Fermium | 101  **Md**  (258)  Mendelevium | 102  **No**  (259)  Nobelium | 103  **Lr**  (262.11)  Lawrencium |