Periodic table for elements

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 57  La  Lanthanum  138.9 | 58  Ce  Cerium  140.1 | 59  Pr  Praseodumium  140.9 | 60  Nd  Neodymium  144.2 | 61  Pm  Promethium  (145) | 62  Sm  Samarium  150.4 | 63  Eu  Europium  152.0 | 64  Gd  Gadolinium  157.2 | 65  Tb  Terbium  158.9 | 66  Dy  Dysprosium  162.5 | 67  Ho  Holmium  164.9 | 68  Er  Erbium  167.3 | 69  Tm  Thulium  168.9 | 70  Yb  Ytterbium  173.0 | 71  Lu  Lutetium  175.0 |
| 89  Ac  Actinium  (227) | 90  Th  Thorium  232.0 | 91  Pa  Protactinium  231.0 | 92  U  Uranium  238.0 | 93  Np  Neptunium  (237) | 94  Pu  Plutonium  (244) | 95  Am  Americium  (243) | 96  Cm  Curium  (247) | 97  Bk  Berkelium  (247) | 98  Cf  Californium  (251) | 99  Es  Einsteinium  (252) | 100  Fm  Fermium  (257) | 101  Md  Mendelevium  (258) | 102  No  Nobelium  (259) | 103  Lr  Lawrencium  (262) |

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| 1  H  Hydrogen  1.008 |  | |  | | |  | |  | | | | | | | | | | | 2  He  Helium  4.003 | |
| 3  Li  Lithium  6.94 | 4  Be  Beryllium  9.012 |  | * Alkali Metals * Alkalin * e EarthMetals Other * Metals * Metalloids | | | * Non-metals * Halogens * Noble Gase * Lanthanides * Actinides | |  | | | | | | 5  B  Boron  10.81 | 6  C  Carbon  12.01 | 7  N  Nitrogen  16.00 | 8  O  Oxygen  16.00 | 9  F  Fluorine  19.00 | 10  Ne  Neon  20.18 | |
| 11  Na  Sodium  22.99 | 12  Mg  Magnesium  24.31 | 13  Al  Aluminium  26.98 | 14  Si  Silicon  28.09 | 15  P  Phosphorus  3097 | 16  S  Sulfur  32.06 | 17  Cl  Chlorine  35.45 | 18  Ar  Argon  39.95 | |
| 19  K  Potassium  39.10 | 20  Ca  Calcium  40.08 | 21  Sc  Scandium  44.96 | | 22  Ti  Titanium  47.88 | 23  V  Vanadium  50.94 | 24  Cr  Chromium  52.00 | 25  Mn  Manganese  54.94 | | 26  Fe  Iron  55.85 | 27  Co  Cobalt  58.93 | 28  Ni  Nickel  58.69 | 29  Cu  Copper  63.55 | 30  Zn  Zinc  65.39 | 31  Ga  Gallium  69.72 | 32  Ge  Germanium  72.64 | 33  As  Arsenic  74.92 | 34  Se  Selenium  78.96 | 35  Br  Bromine  79.90 | 36  Kr  Krypton  83.79 |
| 37  Rb  Rubidium  85.47 | 38  Sr  Strontium  87.62 | 39  Y  Yttrium  88.91 | | 40  Zr  Zirconium  91.22 | 41  Nb  Niobium  92.91 | 42  Mo  Molybdenum  95.96 | 43  Tc  Technetium  (98) | | 44  Ru  Ruthenium  101.1 | 45  Rh  Rhodium  102.9 | 46  Pd  Palladium  106.4 | 47  Ag  Silver  107.9 | 48  Cd  Cadmium  112.4 | 49  In  Indium  114.8 | 50  Sn  Tin  118.7 | 51  Sb  Antimony  121.8 | 52  Te  Tellurium  127.6 | 53  I  Iodine  126.9 | 54  Xe  Xenon  131.3 |
| 55  Cs  Caesium  132.9 | 56  Ba  Barium  137.9 | 57-71  Lanthanides | | 72  Hf  Hafnium  178.5 | 73  Ta  Tantalum  180.9 | 74  W  Tungsten  183.9 | 75  Re  Rhenium  186.2 | | 76  Os  Osmium  190.2 | 77  Ir  Iridium  192.2 | 78  Pt  Platinum  195.1 | 79  Au  Gold  197.0 | 80  Hg  Mercury  200.5 | 81  TI  Thallium  204.38 | 82  Pb  Lead  207.2 | 83  Bi  Bismuth  209.0 | 84  Po  Polonium  (209) | 85  At  Astatine  (210) | 86  Rn  Radon  (222) |
| 87  Fr  Francium  (223) | 88  Ra  Radium  (226) | 89-103  Actinides | | 104  Rf  Rutherfordium  (265 | 105  Db  Dubnium  (268) | 106  Sg  Seaborgium  (271) | 107  Bh  Bohrium  (270) | | 108  Hs  Hassium  (277) | 109  Mt  Meitnerium  (276) | 110  Ds  Darmstadtium  (281) | 111  Rg  Roentgenium  (280) | 112  Cn  Copernicium  (285) | 113  Nh  Nihonium  (284) | 114  FI  Flerovium  (289) | 115  Mc  Moscovium  (288) | 116  Lv  Livermorium  (293) | 117  Ts  Tennessine  (294) | 118  Og  Oganesson  (294) |

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Chemistry for life