

GROUPS (OXIDATION NUMBERS)

PERIODIC TABLE OF THE ELEMENTS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-----------------------------------|-------------------|-----------------------------------|-----|------------------------------------|-----|-----------------------------------|-----|---------------------------------------|-----|----------------------------------|--------------------|-------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|-------------------------------------|-----|------------------------------------|-----|--------------------------------------|-----|--------------------------------------|-----|----------------------------------|-----|-------------------------------------|-----|-----------------------------------|-----|-------------------------------------|----|------------------------------|
| AlkaliMetal 1(+1) | | | | | | | | | | | | NobelGas 18(0) | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | H Hydrogen 1.00794 | | | | | | | | | | | 2 | He Helium 4.0026 | | | | | | | | | | | | | | | | | | | | | | |
| AlkalineEarth 2(+2) | | | | | | | | | | | | Halogens 17(-1) | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Li Lithium 6.941 | 4 | Be Beryllium 9.01218 | | | | | | | | | | | 5 | B Boron 10.81 | 6 | C Carbon 12.011 | 7 | N Nitrogen 14.0067 | 8 | O Oxygen 15.9994 | 9 | F Fluorine 18.9984 | 10 | Ne Neon 20.179 | | | | | | | | | | |
| 11 | Na Sodium 22.98977 | 12 | Mg Magnesium 24.305 | | | | | | | | | | | 13 | Al Aluminum 26.98154 | 14 | Si Silicon 28.0855 | 15 | P Phosphorous 30.97376 | 16 | S Sulfur 32.06 | 17 | Cl Chlorine 35.453 | 18 | Ar Argon 39.948 | | | | | | | | | | |
| | | Transition Metals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | K Potassium 39.0983 | 20 | Ca Calcium 40.08 | 21 | Sc Scandium 44.9559 | 22 | Ti Titanium 47.88 | 23 | V Vanadium 50.9415 | 24 | Cr Chromium 51.996 | 25 | Mn Manganese 54.938 | 26 | Fe Iron 55.847 | 27 | Co Cobalt 58.9332 | 28 | Ni Nickel 58.69 | 29 | Cu Copper 63.546 | 30 | Zn Zinc 65.38 | 31 | Ga Gallium 69.72 | 32 | Ge Germanium 72.59 | 33 | As Arsenic 74.9216 | 34 | Se Selenium 78.96 | 35 | Br Bromine 79.904 | 36 | Kr Krypton 83.8 |
| 37 | Rb Rubidium 85.4678 | 38 | Sr Strontium 87.62 | 39 | Y Yttrium 88.9059 | 40 | Zr Zirconium 91.22 | 41 | Nb Niobium 92.9064 | 42 | Mo Molybdenum 95.94 | 43 | Tc Technetium 97.907 | 44 | Ru Ruthenium 101.07 | 45 | Rh Rhodium 102.9055 | 46 | Pd Palladium 106.42 | 47 | Ag Silver 107.8682 | 48 | Cd Cadmium 112.41 | 49 | In Indium 114.82 | 50 | Sn Tin 118.710 | 51 | Sb Antimony 121.75 | 52 | Te Tellurium 127.60 | 53 | I Iodine 126.9045 | 54 | Xe Xenon 131.29 |
| 55 | Cs Cesium 132.9054 | 56 | Ba Barium 137.33 | 72 | Hf Hafnium 178.49 | 73 | Ta Tantalum 180.9479 | 74 | W Tungsten 183.85 | 75 | Re Rhenium 186.207 | 76 | Os Osmium 190.2 | 77 | Ir Iridium 192.22 | 78 | Pt Platinum 195.08 | 79 | Au Gold 196.9665 | 80 | Hg Mercury 200.59 | 81 | Tl Thallium 204.383 | 82 | Pb Lead 207.2 | 83 | Bi Bismuth 208.9804 | 84 | Po Polonium 208.9824 | 85 | At Astatine 209.9871 | 86 | Rn Radon 222.017 | | |
| 87 | Fr Francium 223.0197 | 88 | Ra Radium 226.0254 | 104 | Rf Rutherfordium 267 | 105 | Db Dubnium 268 | 106 | Sg Seaborgium 271 | 107 | Bh Bohrium 272 | 108 | Hs Hassium 270 | 109 | Mt Meitnerium 276 | 110 | Ds Darmstadtium 281 | 111 | Rg Roentgenium 280 | 112 | Cn Copernicium 285 | 113 | Uut Ununtrium 284 | 114 | Uuq Ununquadium 289 | 115 | Uup Ununpentium 288 | 116 | Uuh Ununhexium 289 | 117 | Uus Ununseptium 294 | 118 | Uuo Ununoctium 294 | | |
| Lanthanids Series | | | | 57 | La Lanthanum 138.9055 | 58 | Ce Cerium 140.12 | 59 | Pr Praseodymium 140.9077 | 60 | Nd Neodymium 144.24 | 61 | Pm Promethium 144.9128 | 62 | Sm Samarium 150.36 | 63 | Eu Europium 151.96 | 64 | Gd Gadolinium 157.25 | 65 | Tb Terbium 158.9254 | 66 | Dy Dysprosium 162.50 | 67 | Ho Holmium 164.9304 | 68 | Er Erbium 167.26 | 69 | Tm Thulium 168.9342 | 70 | Yb Ytterbium 173.04 | 71 | Lu Lutetium 174.967 | | |
| Actinide Series | | | | 89 | Ac Actinium 227.0278 | 90 | Th Thorium 232.0381 | 91 | Pa Protactinium 231.0359 | 92 | U Uranium 238.0289 | 93 | Np Neptunium 237.0482 | 94 | Pu Plutonium 244.0642 | 95 | Am Americium 243.0614 | 96 | Cm Curium 247.0703 | 97 | Bk Berkelium 247.0703 | 98 | Cf Californium 251.0796 | 99 | Es Einsteinium 252.0828 | 100 | Fm Fermium 257.0951 | 101 | Md Mendelevium 258.986 | 102 | No Nobelium 259.1009 | 103 | Lr Lawrencium 260.1054 | | |

Key

- 19 ← Atomic Number
- K** ← Chemical Symbol
- Potassium ← Element Name
- 39.0983 ← Average Atomic Mass
- 2,8,8,1 ← Electron Configuration

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|----------------------------|
| Solid at room Temperature |
| Liquid at room Temperature |
| Gas at room Temperature |
| Metals |
| Nonmetals |
| Metalloids |
| Nobel Gases |
| Most active Metal |
| Most Active Nonmetal |

