

(Mendeleev's) Periodic Table of Chemical Elements via TikZ

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---------------------------------|-------|----------------------------------|-------------------------------------|---------------------------------|------|-----------------------------------|--------|---------------------------------|---------|----------------------------------|----------|----------------------------------|-----|----------------------------------|-----|--------------------------------|-----|----------------------------------|-----|---------------------------------|-----|---------------------------------|-----|---------------------------------|-----|----------------------------------|-----|----------------------------------|-----|---------------------------------|-----|----------------------------------|-----|---------------------------------|
| 1 IA | | | | | | | | | | | | 18 VIIIA | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1.0079 H Hydrogen | 2 IIA | | | | | | | | | | 2 | 4.0025 He Helium | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 6.941 Li Lithium | 4 | 9.0122 Be Beryllium | | | | | | | | | | | 5 | 10.811 B Boron | 6 | 12.011 C Carbon | 7 | 14.007 N Nitrogen | 8 | 15.999 O Oxygen | 9 | 18.998 F Flourine | 10 | 20.180 Ne Neon | | | | | | | | | | |
| 11 | 22.990 Na Sodium | 12 | 24.305 Mg Magnesium | 3 IIIA | 4 IVB | 5 VB | 6 VIB | 7 VIIB | 8 VIIIB | 9 VIIIB | 10 VIIIB | 11 IB | 12 IIB | 13 | 26.982 Al Aluminium | 14 | 28.086 Si Silicon | 15 | 30.974 P Phosphorus | 16 | 32.065 S Sulphur | 17 | 35.453 Cl Chlorine | 18 | 39.948 Ar Argon | | | | | | | | | | |
| 19 | 39.098 K Potassium | 20 | 40.078 Ca Calcium | 21 | 44.956 Sc Scandium | 22 | 47.867 Ti Titanium | 23 | 50.942 V Vanadium | 24 | 51.996 Cr Chromium | 25 | 54.938 Mn Manganese | 26 | 55.845 Fe Iron | 27 | 58.933 Co Cobalt | 28 | 58.693 Ni Nickel | 29 | 63.546 Cu Copper | 30 | 65.39 Zn Zinc | 31 | 69.723 Ga Gallium | 32 | 72.64 Ge Germanium | 33 | 74.922 As Arsenic | 34 | 78.96 Se Selenium | 35 | 79.904 Br Bromine | 36 | 83.8 Kr Krypton |
| 37 | 85.468 Rb Rubidium | 38 | 87.62 Sr Strontium | 39 | 88.906 Y Yttrium | 40 | 91.224 Zr Zirconium | 41 | 92.906 Nb Niobium | 42 | 95.94 Mo Molybdenum | 43 | 96 Tc Technetium | 44 | 101.07 Ru Ruthenium | 45 | 102.91 Rh Rhodium | 46 | 106.42 Pd Palladium | 47 | 107.87 Ag Silver | 48 | 112.41 Cd Cadmium | 49 | 114.82 In Indium | 50 | 118.71 Sn Tin | 51 | 121.76 Sb Antimony | 52 | 127.6 Te Tellurium | 53 | 126.9 I Iodine | 54 | 131.29 Xe Xenon |
| 55 | 132.91 Cs Caesium | 56 | 137.33 Ba Barium | 57-71 La-Lu Lanthanide | | 72 | 178.49 Hf Hafnium | 73 | 180.95 Ta Tantalum | 74 | 183.84 W Tungsten | 75 | 186.21 Re Rhenium | 76 | 190.23 Os Osmium | 77 | 192.22 Ir Iridium | 78 | 195.08 Pt Platinum | 79 | 196.97 Au Gold | 80 | 200.59 Hg Mercury | 81 | 204.38 Tl Thallium | 82 | 207.2 Pb Lead | 83 | 208.98 Bi Bismuth | 84 | 209 Po Polonium | 85 | 210 At Astatine | 86 | 222 Rn Radon |
| 87 | 223 Fr Francium | 88 | 226 Ra Radium | 89-103 Ac-Lr Actinide | | 104 | 261 Rf Rutherfordium | 105 | 262 Db Dubnium | 106 | 266 Sg Seaborgium | 107 | 264 Bh Bohrium | 108 | 277 Hs Hassium | 109 | 268 Mt Meitnerium | 110 | 281 Ds Darmstadtium | 111 | 280 Rg Roentgenium | 112 | 285 Uub Ununbium | 113 | 284 Uut Ununtrium | 114 | 289 Uuq Ununquadium | 115 | 288 Uup Ununpentium | 116 | 293 Uuh Ununhexium | 117 | 292 Uus Ununseptium | 118 | 294 Uuo Ununoctium |

- Alkali Metal
- Alkaline Earth Metal
- Metal
- Metalloid
- Non-metal
- Halogen
- Noble Gas
- Lanthanide/Actinide

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----------------------------------|----|-------------------------------|----|-------------------------------------|----|----------------------------------|----|--------------------------------|----|---------------------------------|----|---------------------------------|----|-----------------------------------|----|--------------------------------|----|-----------------------------------|----|--------------------------------|----|-------------------------------|----|--------------------------------|----|----------------------------------|----|---------------------------------|
| 57 | 138.91 La Lanthanum | 58 | 140.12 Ce Cerium | 59 | 140.91 Pr Praseodymium | 60 | 144.24 Nd Neodymium | 61 | 145 Pm Promethium | 62 | 150.36 Sm Samarium | 63 | 151.96 Eu Europium | 64 | 157.25 Gd Gadolinium | 65 | 158.93 Tb Terbium | 66 | 162.50 Dy Dysprosium | 67 | 164.93 Ho Holmium | 68 | 167.26 Er Erbium | 69 | 168.93 Tm Thulium | 70 | 173.04 Yb Ytterbium | 71 | 174.97 Lu Lutetium |
|----|----------------------------------|----|-------------------------------|----|-------------------------------------|----|----------------------------------|----|--------------------------------|----|---------------------------------|----|---------------------------------|----|-----------------------------------|----|--------------------------------|----|-----------------------------------|----|--------------------------------|----|-------------------------------|----|--------------------------------|----|----------------------------------|----|---------------------------------|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------------------------------|----|--------------------------------|----|-------------------------------------|----|-------------------------------|----|-------------------------------|----|-------------------------------|----|-------------------------------|----|----------------------------|----|-------------------------------|----|---------------------------------|----|---------------------------------|-----|-----------------------------|-----|---------------------------------|-----|------------------------------|-----|--------------------------------|
| 89 | 227 Ac Actinium | 90 | 232.04 Th Thorium | 91 | 231.04 Pa Protactinium | 92 | 238.03 U Uranium | 93 | 237 Np Neptunium | 94 | 244 Pu Plutonium | 95 | 243 Am Americium | 96 | 247 Cm Curium | 97 | 247 Bk Berkelium | 98 | 251 Cf Californium | 99 | 252 Es Einsteinium | 100 | 257 Fm Fermium | 101 | 258 Md Mendelevium | 102 | 259 No Nobelium | 103 | 262 Lr Lawrencium |
|----|------------------------------|----|--------------------------------|----|-------------------------------------|----|-------------------------------|----|-------------------------------|----|-------------------------------|----|-------------------------------|----|----------------------------|----|-------------------------------|----|---------------------------------|----|---------------------------------|-----|-----------------------------|-----|---------------------------------|-----|------------------------------|-----|--------------------------------|

| | |
|---------------|----------|
| Z | mass |
| Symbol | man-made |
| Name | |