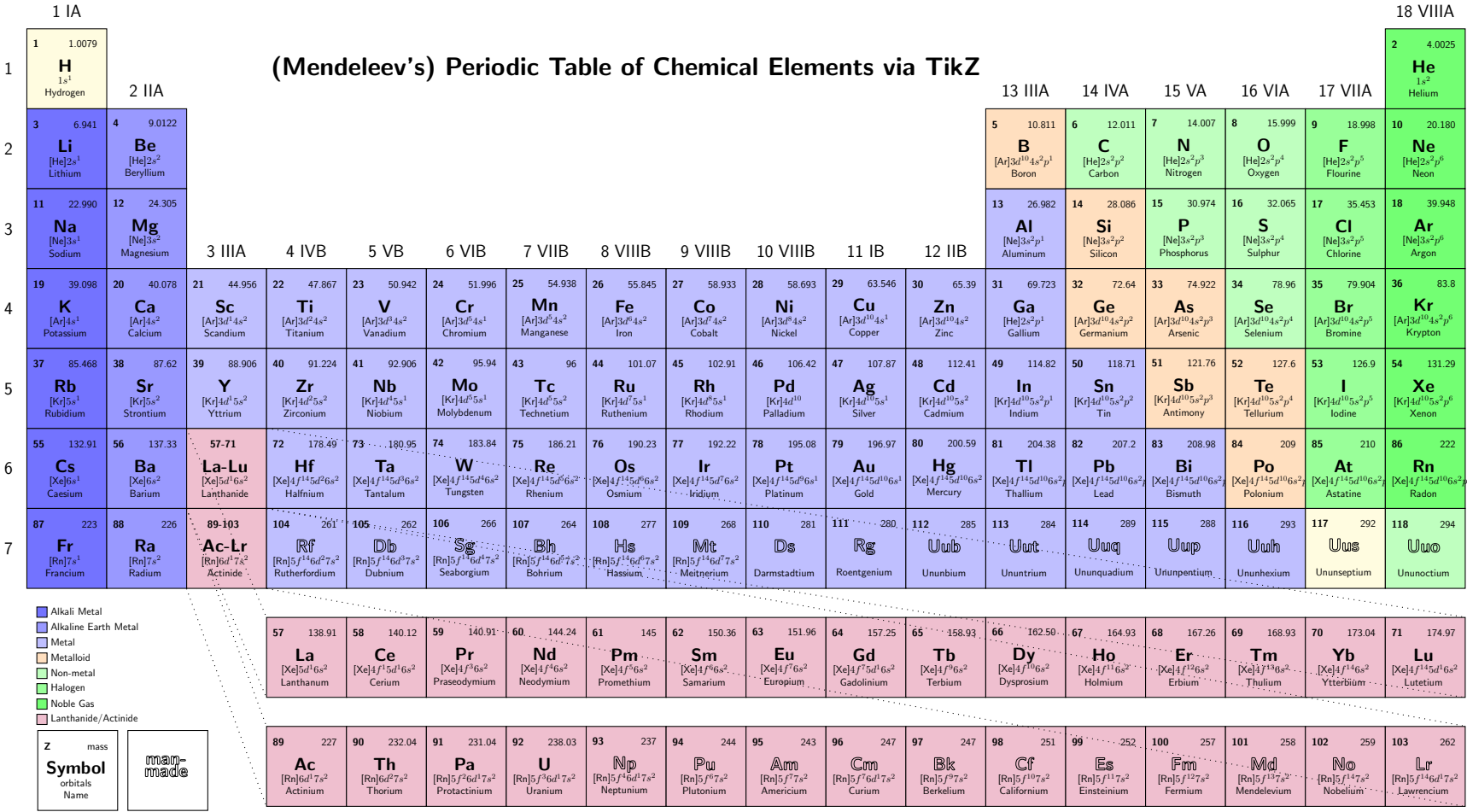
1 IA
18 VIIIA
(Mendeleev's) Periodic Table of Chemical Elements via TikZ
2 IIA
13 IIIA
14 IVA
15 VA
16 VIA
17 VIIA
3 IIIA
4 IVB
5 VB
6 VIB
7 VIIB
8 VIIIB
9 VIIIB
10 VIIIB
11 IB
12 IIB
1 1.0079 H 1s1 Hydrogen
2 4.0025 He 1s2 Helium
3 6.941 Li [He]2s1 Lithium
4 9.0122 Be [He]2s2 Beryllium
5 10.811 B [Ar]3d10 4s2 p1 Boron
6 12.011 C [He]2s2 p2 Carbon
7 14.007 N [He]2s2 p3 Nitrogen
8 15.999 O [He]2s2 p4 Oxygen
9 18.998 F [He]2s2 p5 Flourine
10 20.180 Ne [He]2s2 p6 Neon
11 22.990 Na [Ne]3s1 Sodium
12 24.305 Mg [Ne]3s2 Magnesium
13 26.982 Al [Ne]3s2 p1 Aluminum
14 28.086 Si [Ne]3s2 p2 Silicon
15 30.974 P [Ne]3s2 p3 Phosphorus
16 32.065 S [Ne]3s2 p4 Sulphur
17 35.453 Cl [Ne]3s2 p5 Chlorine
18 39.948 Ar [Ne]3s2 p6 Argon
19 39.098 K [Ar]4s1 Potassium
20 40.078 Ca [Ar]4s2 Calcium
21 44.956 Sc [Ar]3d1 4s2 Scandium
22 47.867 Ti [Ar]3d2 4s2 Titanium
23 50.942 V [Ar]3d3 4s2 Vanadium
24 51.996 Cr [Ar]3d5 4s1 Chromium
25 54.938 Mn [Ar]3d5 4s2 Manganese
26 55.845 Fe [Ar]3d6 4s2 Iron
27 58.933 Co [Ar]3d7 4s2 Cobalt
28 58.693 Ni [Ar]3d8 4s2 Nickel
29 63.546 Cu [Ar]3d10 4s1 Copper
30 65.39 Zn [Ar]3d10 4s2 Zinc
31 69.723 Ga [He]2s2 p1 Gallium
32 72.64 Ge [Ar]3d10 4s2 p2 Germanium
33 74.922 As [Ar]3d10 4s2 p3 Arsenic
34 78.96 Se [Ar]3d10 4s2 p4 Selenium
35 79.904 Br [Ar]3d10 4s2 p5 Bromine
36 83.8 Kr [Ar]3d10 4s2 p6 Krypton
37 85.468 Rb [Kr]5s1 Rubidium
38 87.62 Sr [Kr]5s2 Strontium
39 88.906 Y [Kr]4d1 5s2 Yttrium
40 91.224 Zr [Kr]4d2 5s2 Zirconium
41 92.906 Nb [Kr]4d4 5s1 Niobium
42 95.94 Mo [Kr]4d5 5s1 Molybdenum
43 96 Tc [Kr]4d5 5s2 Technetium
44 101.07 Ru [Kr]4d7 5s1 Ruthenium
45 102.91 Rh [Kr]4d8 5s1 Rhodium
46 106.42 Pd [Kr]4d10 Palladium
47 107.87 Ag [Kr]4d10 5s1 Silver
48 112.41 Cd [Kr]4d10 5s2 Cadmium
49 114.82 In [Kr]4d10 5s2 p1 Indium
50 118.71 Sn [Kr]4d10 5s2 p2 Tin
51 121.76 Sb [Kr]4d10 5s2 p3 Antimony
52 127.6 Te [Kr]4d10 5s2 p4 Tellurium
53 126.9 I [Kr]4d10 5s2 p5 Iodine
54 131.29 Xe [Kr]4d10 5s2 p6 Xenon
55 132.91 Cs [Xe]6s1 Caesium
56 137.33 Ba [Xe]6s2 Barium
57-71 La-Lu [Xe]5d1 6s2 Lanthanide
72 178.49 Hf [Xe]4f14 5d2 6s2 Halfnium
73 180.95 Ta [Xe]4f14 5d3 6s2 Tantalum
74 183.84 W [Xe]4f14 5d4 6s2 Tungsten
75 186.21 Re [Xe]4f14 5d5 6s2 Rhenium
76 190.23 Os [Xe]4f14 5d6 6s2 Osmium
77 192.22 Ir [Xe]4f14 5d7 6s2 Iridium
78 195.08 Pt [Xe]4f14 5d9 6s1 Platinum
79 196.97 Au [Xe]4f14 5d10 6s1 Gold
80 200.59 Hg [Xe]4f14 5d10 6s2 Mercury
81 204.38 Tl [Xe]4f14 5d10 6s2 p1 Thallium
82 207.2 Pb [Xe]4f14 5d10 6s2 p2 Lead
83 208.98 Bi [Xe]4f14 5d10 6s2 p3 Bismuth
84 209 Po [Xe]4f14 5d10 6s2 p4 Polonium
85 210 At [Xe]4f14 5d10 6s2 p5 Astatine
86 222 Rn [Xe]4f14 5d10 6s2 p6 Radon
87 223 Fr [Rn]7s1 Francium
88 226 Ra [Rn]7s2 Radium
89-103 Ac-Lr [Rn]6d1 7s2 Actinide
104 261 Rf [Rn]5f14 6d2 7s2 Rutherfordium
105 262 Db [Rn]5f14 6d3 7s2 Dubnium
106 266 Sg [Rn]5f14 6d4 7s2 Seaborgium
107 264 Bh [Rn]5f14 6d5 7s2 Bohrium
108 277 Hs [Rn]5f14 6d6 7s2 Hassium
109 268 Mt [Rn]5f14 6d7 7s2 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
57 138.91 La [Xe]5d1 6s2 Lanthanum
58 140.12 Ce [Xe]4f1 5d1 6s2 Cerium
59 140.91 Pr [Xe]4f3 6s2 Praseodymium
60 144.24 Nd [Xe]4f4 6s2 Neodymium
61 145 Pm [Xe]4f5 6s2 Promethium
62 150.36 Sm [Xe]4f6 6s2 Samarium
63 151.96 Eu [Xe]4f7 6s2 Europium
64 157.25 Gd [Xe]4f7 5d1 6s2 Gadolinium
65 158.93 Tb [Xe]4f9 6s2 Terbium
66 162.50 Dy [Xe]4f10 6s2 Dysprosium
67 164.93 Ho [Xe]4f11 6s2 Holmium
68 167.26 Er [Xe]4f12 6s2 Erbium
69 168.93 Tm [Xe]4f13 6s2 Thulium
70 173.04 Yb [Xe]4f14 6s2 Ytterbium
71 174.97 Lu [Xe]4f14 5d1 6s2 Lutetium
89 227 Ac [Rn]6d1 7s2 Actinium
90 232.04 Th [Rn]6d2 7s2 Thorium
91 231.04 Pa [Rn]5f2 6d1 7s2 Protactinium
92 238.03 U [Rn]5f3 6d1 7s2 Uranium
93 237 Np [Rn]5f4 6d1 7s2 Neptunium
94 244 Pu [Rn]5f6 7s2 Plutonium
95 243 Am [Rn]5f7 7s2 Americium
96 247 Cm [Rn]5f7 6d1 7s2 Curium
97 247 Bk [Rn]5f9 7s2 Berkelium
98 251 Cf [Rn]5f10 7s2 Californium
99 252 Es [Rn]5f11 7s2 Einsteinium
100 257 Fm [Rn]5f12 7s2 Fermium
101 258 Md [Rn]5f13 7s2 Mendelevium
102 259 No [Rn]5f14 7s2 Nobelium
103 262 Lr [Rn]5f14 6d1 7s2 Lawrencium
Alkali Metal
Alkaline Earth Metal
Metal
Metalloid
Non-metal
Halogen
Noble Gas
Lanthanide/Actinide
Z mass
Symbol
orbitals
Name
man-made