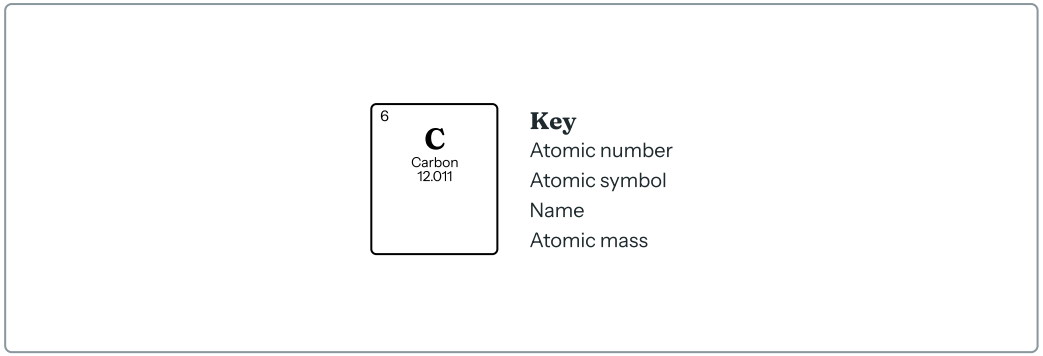
Periodic Table with Key to Reading a Tile

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 H Hydrogen 1.008																	2 He Helium 4.0026
2	3 Li Lithium 6.94	4 Be Beryllium 9.0122											5 B Boron 10.81	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.9984	10 Ne Neon 20.1798
3	11 Na Sodium 22.9898	12 Mg Magnesium 24.305											13 Al Aluminium 26.9815	14 Si Silicon 28.085	15 P Phosphorus 30.9738	16 S Sulfur 32.06	17 Cl Chlorine 35.45	18 Ar Argon 39.9481
4	19 K Potassium 39.0983	20 Ca Calcium 40.0784	21 Sc Scandium 44.9559	22 Ti Titanium 47.8671	23 V Vanadium 50.9415	24 Cr Chromium 51.9962	25 Mn Manganese 54.938	26 Fe Iron 55.8452	27 Co Cobalt 58.9332	28 Ni Nickel 58.6934	29 Cu Copper 63.5463	30 Zn Zinc 65.382	31 Ga Gallium 69.7231	32 Ge Germanium 72.6308	33 As Arsenic 74.9216	34 Se Selenium 78.9718	35 Br Bromine 79.904	36 Kr Krypton 83.7982
5	37 Rb Rubidium 85.4678	38 Sr Strontium 87.621	39 Y Yttrium 88.9058	40 Zr Zirconium 91.2242	41 Nb Niobium 92.9064	42 Mo Molybdenum 95.951	43 Tc Technetium [98]	44 Ru Ruthenium 101.072	45 Rh Rhodium 102.9055	46 Pd Palladium 106.421	47 Ag Silver 107.8682	48 Cd Cadmium 112.4144	49 In Indium 114.8181	50 Sn Tin 118.7107	51 Sb Antimony 121.7601	52 Te Tellurium 127.603	53 I Iodine 126.9045	54 Xe Xenon 131.2936
6	55 Cs Cesium 132.9055	56 Ba Barium 137.3277		72 Hf Hafnium 178.492	73 Ta Tantalum 180.9479	74 W Tungsten 183.841	75 Re Rhenium 186.2071	76 Os Osmium 190.233	77 Ir Iridium 192.2173	78 Pt Platinum 195.0849	79 Au Gold 196.9666	80 Hg Mercury 200.5923	81 Tl Thallium 204.38	82 Pb Lead 207.21	83 Bi Bismuth 208.9804	84 Po Polonium [209]	85 At Astatine [210]	86 Rn Radon [222]
7	87 Fr Francium [223]	88 Ra Radium [226]		104 Rf Rutherfordium [267]	105 Db Dubnium [268]	106 Sg Seaborgium [269]	107 Bh Bohrium [270]	108 Hs Hassium [269]	109 Mt Meitnerium [278]	110 Ds Darmstadtium [281]	111 Rg Roentgenium [282]	112 Cn Copernicium [285]	113 Nh Nihonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [289]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]



				57 La Lanthanum 138.9055	58 Ce Cerium 140.1161	59 Pr Praseodymium 140.9077	60 Nd Neodymium 144.2423	61 Pm Promethium [145]	62 Sm Samarium 150.362	63 Eu Europium 151.9641	64 Gd Gadolinium 157.253	65 Tb Terbium 158.9254	66 Dy Dysprosium 162.5001	67 Ho Holmium 164.9303	68 Er Erbium 167.2593	69 Tm Thulium 168.9342	70 Yb Ytterbium 173.0451	71 Lu Lutetium 174.9668
				89 Ac Actinium [227]	90 Th Thorium 232.0377	91 Pa Protactinium 231.0359	92 U Uranium 238.0289	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 [266]

Periodic Table PDF with Key to Reading a Tile (black and white): notes

About this sheet

The standard layout with a key box that shows a sample tile (carbon) with its atomic number, symbol, name and atomic mass labelled.

Best for

Beginners and younger students, and handouts for anyone who has not read a periodic table before.

Printing

Plain white tiles with black outlines use very little ink and photocopy cleanly, so it suits class sets and sheets students will write on. Sized for A4 landscape: print at 100% (actual size) so the margins stay correct.

What the data shows

A key in the empty corner of the table points to the atomic number, symbol, name and atomic mass on a sample tile (carbon), so a new reader can decode any tile.

The element families on this sheet hold 38 transition metals, 15 lanthanides, 15 actinides, 12 post-transition metals, 7 reactive nonmetals, 7 noble gases, 6 alkali metals, 6 alkaline earth metals, 6 metalloids and 6 halogens.

How the table is organised

Atomic number counts the protons in an atom's nucleus and fixes each element's place in the table. Moving down a group adds a new electron shell, so atomic radius grows and metallic character increases.

More periodic table PDFs are free to download at https://periodictable.page/periodic-table-pdf/.