Portrait Periodic Table with symbols and atomic mass

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 H 1.008																	2 He 4.0026
2	3 Li 6.94	4 Be 9.0122											5 B 10.81	6 C 12.011	7 N 14.007	8 O 15.999	9 F 18.9984	10 Ne 20.1798
3	11 Na 22.9898	12 Mg 24.305											13 Al 26.9815	14 Si 28.085	15 P 30.9738	16 S 32.06	17 Cl 35.45	18 Ar 39.9481
4	19 K 39.0983	20 Ca 40.0784	21 Sc 44.9559	22 Ti 47.8671	23 V 50.9415	24 Cr 51.9962	25 Mn 54.938	26 Fe 55.8452	27 Co 58.9332	28 Ni 58.6934	29 Cu 63.5463	30 Zn 65.382	31 Ga 69.7231	32 Ge 72.6308	33 As 74.9216	34 Se 78.9718	35 Br 79.904	36 Kr 83.7982
5	37 Rb 85.4678	38 Sr 87.621	39 Y 88.9058	40 Zr 91.2242	41 Nb 92.9064	42 Mo 95.951	43 Tc [98]	44 Ru 101.072	45 Rh 102.9055	46 Pd 106.421	47 Ag 107.8682	48 Cd 112.4144	49 In 114.8181	50 Sn 118.7107	51 Sb 121.7601	52 Te 127.603	53 I 126.9045	54 Xe 131.2936
6	55 Cs 132.9055	56 Ba 137.3277		72 Hf 178.492	73 Ta 180.9479	74 W 183.841	75 Re 186.2071	76 Os 190.233	77 Ir 192.2173	78 Pt 195.0849	79 Au 196.9666	80 Hg 200.5923	81 Tl 204.38	82 Pb 207.21	83 Bi 208.9804	84 Po [209]	85 At [210]	86 Rn [222]
7	87 Fr [223]	88 Ra [226]		104 Rf [267]	105 Db [268]	106 Sg [269]	107 Bh [270]	108 Hs [269]	109 Mt [278]	110 Ds [281]	111 Rg [282]	112 Cn [285]	113 Nh [286]	114 Fl [289]	115 Mc [289]	116 Lv [293]	117 Ts [294]	118 Og [294]

				57 La 138.9055	58 Ce 140.1161	59 Pr 140.9077	60 Nd 144.2423	61 Pm [145]	62 Sm 150.362	63 Eu 151.9641	64 Gd 157.253	65 Tb 158.9254	66 Dy 162.5001	67 Ho 164.9303	68 Er 167.2593	69 Tm 168.9342	70 Yb 173.0451	71 Lu 174.9668
				89 Ac [227]	90 Th 232.0377	91 Pa 231.0359	92 U 238.0289	93 Np [237]	94 Pu [244]	95 Am [243]	96 Cm [247]	97 Bk [247]	98 Cf [251]	99 Es [252]	100 Fm [257]	101 Md [258]	102 No [259]	103 Lr [266]

Portrait Periodic Table PDF with symbols and atomic mass (black and white): notes

About this sheet

The 18-column table on an upright A4 page, with each tile showing the atomic number, symbol and atomic mass.

Best for

Binders and notebooks where you want masses to hand on a page that matches the rest of your notes.

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 portrait: print at 100% (actual size) so the margins stay correct.

What the data shows

Atomic mass runs from 1.008 u for hydrogen to 238.0289 u for uranium, the heaviest element with a standard value. The other 34 elements have no standard value, so their tiles show the mass number of the longest-lived isotope in square brackets.

Carbon weighs 12.011 u and oxygen 15.999 u, so carbon dioxide comes to about 44.01 g/mol.

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.

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