Portrait Periodic Table with symbols



https://periodictable.page/

Portrait Periodic Table PDF with symbols (color): notes

About this sheet

The 18-column table on an upright A4 page, with each tile showing the atomic number and symbol. The tiles are taller than in the landscape sheets.

Best for

Binders, notebooks and double-sided handouts where an upright page is easier to file or fold.

Printing

Prints well in color. The family shades are light pastels, so the text stays dark and readable and the sheet does not use heavy ink. Sized for A4 portrait: print at 100% (actual size) so the margins stay correct.

What the data shows

The 118 symbols are one letter for 14 elements (H, B, C, N, O, F, P, S, K, V, Y, I, W, U) and two letters for the other 104. Eleven symbols come from Latin or German names rather than the English one: Na for natrium, K for kalium, Fe for ferrum, Cu for cuprum, Ag for argentum, Sn for stannum, Sb for stibium, W for wolfram, Au for aurum, Hg for hydrargyrum and Pb for plumbum.

The seven periods hold 2, 8, 8, 18, 18, 32 and 32 elements, and the blocks hold 14 in the s-block, 36 in the p-block, 40 in the d-block and 28 in the f-block.

Standing the table upright makes each tile taller than it is wide, which leaves room to write a name or a mass beneath the symbol.

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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