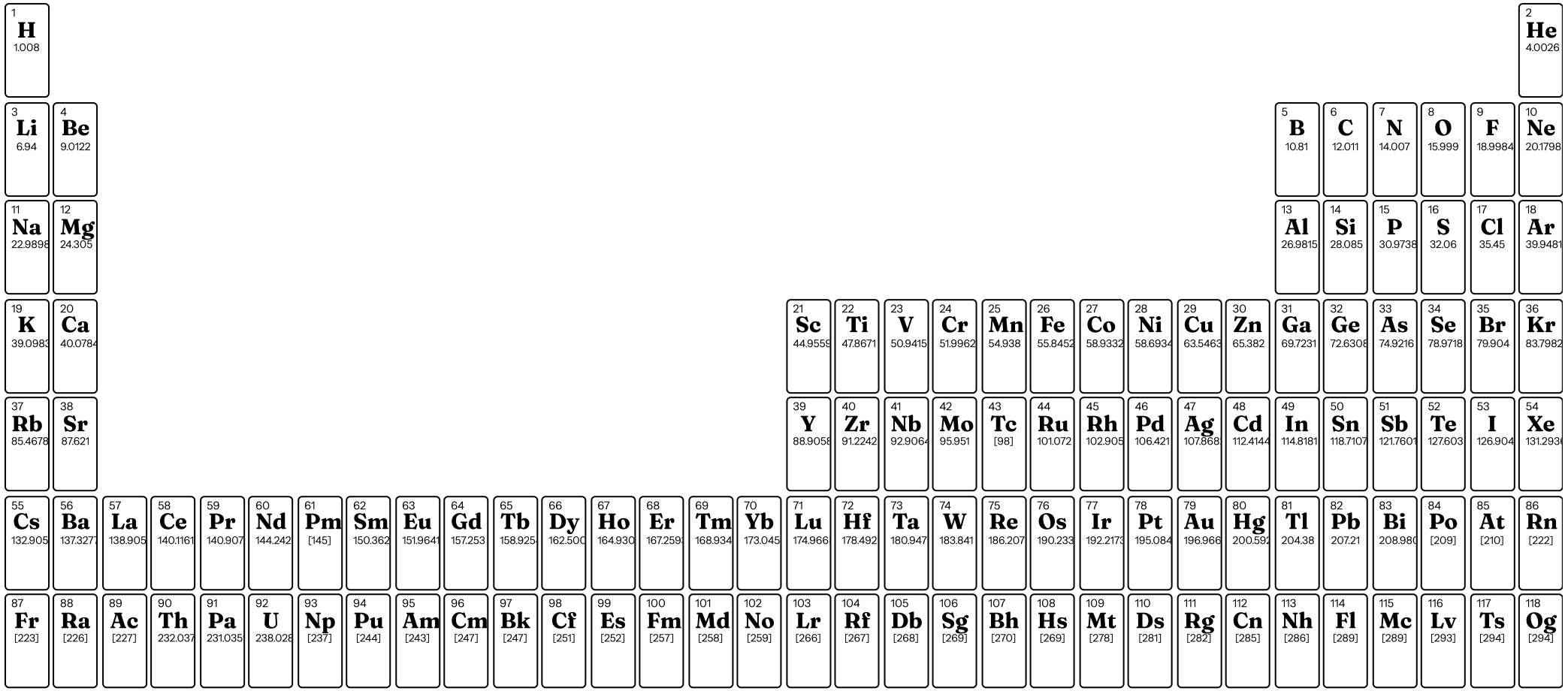
Long Form Periodic Table with symbols and atomic mass



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

About this sheet

The 32-column long form with the f-block in line, and each tile showing the atomic number, symbol and atomic mass.

Best for

Atomic-mass comparisons along a whole period without the detached lanthanide and actinide rows.

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

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.

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