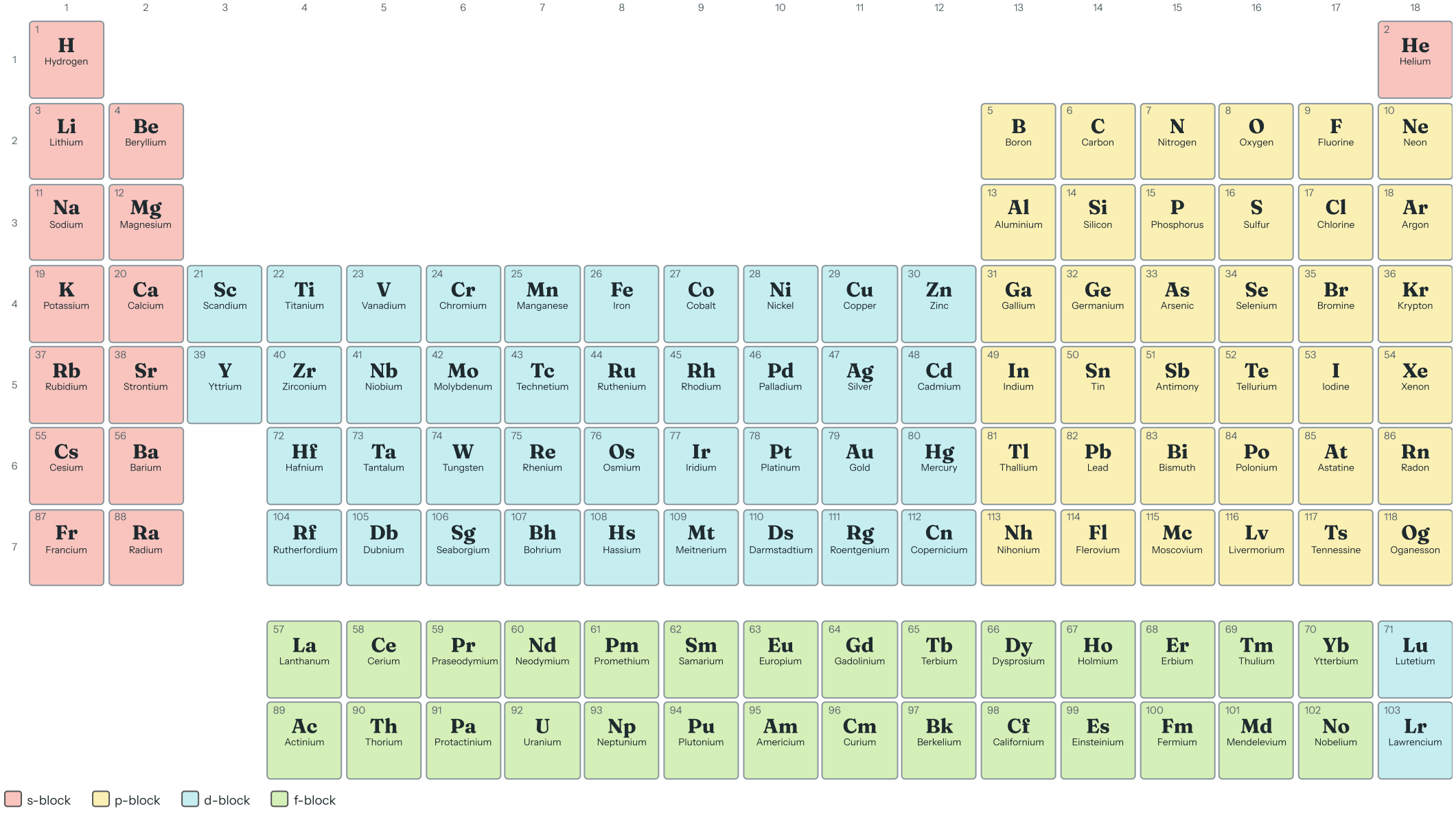
Periodic Table by Block (s, p, d, f)



https://periodictable.page/

Periodic Table PDF: s, p, d and f Blocks: notes

About this sheet

Each element shaded by block: s (groups 1 and 2 and helium), p (groups 13 to 18), d (the transition metals) and f (the lanthanides and actinides).

Best for

Connecting electron configurations to the shape of the table, and revising which subshell is filling in each region.

Printing

The groups are told apart by color, so print in color. In grayscale some of the light shades look alike.

What the data shows

By block, the elements split into 14 in the s-block, 36 in the p-block, 40 in the d-block and 28 in the f-block. The block is named for the subshell holding the outermost electron added.

The d-block is the transition metals and the f-block the lanthanides and actinides; helium is an s-block element that is placed with the noble gases.

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/.