

# La classification périodique

## Présentation compacte

A compact periodic table where elements are color-coded: blue for gaseous, pink for liquids, and green for artificial elements. It includes the lanthanide and actinide series at the bottom.

# Familles, métaux & non métaux

Periodic table with color-coded families: Alkalins (pink), Halogènes (orange), Gaz nobles (purple), and a red line indicating the 'Limite des métaux' (metal/non-metal boundary). Non-metals are highlighted in red.

# États physiques & origines

Periodic table color-coded by physical state and origin: Gazeux (blue), Liquides (pink), and Artificiels (green). Includes lanthanide and actinide series.

# Lien avec la structure électronique externe

Diagram showing the relationship between periodic table groups and their outer electron configurations. Groups 1-2 are labeled (K)<sup>1</sup> and (K)<sup>2</sup>. Groups 13-18 are labeled (L)<sup>3</sup> through (L)<sup>8</sup>. Groups 3-10 are labeled (M)<sup>1</sup> through (M)<sup>8</sup>.

# Ions monoatomiques

Table of common monatomic ions: H<sup>+</sup>, Li<sup>+</sup>, Be<sup>2+</sup>, Na<sup>+</sup>, Mg<sup>2+</sup>, K<sup>+</sup>, Ca<sup>2+</sup>, Fe<sup>2+</sup>, Fe<sup>3+</sup>, Cu<sup>+</sup>, Cu<sup>2+</sup>, Zn<sup>2+</sup>, Ag<sup>+</sup>, Cd<sup>2+</sup>, Hg<sup>2+</sup>, B<sup>3+</sup>, N<sup>3-</sup>, O<sup>2-</sup>, F<sup>-</sup>, Al<sup>3+</sup>, P<sup>3-</sup>, S<sup>2-</sup>, Cl<sup>-</sup>, Se<sup>2-</sup>, Br<sup>-</sup>, I<sup>-</sup>, At<sup>-</sup>.

# Liaisons

🔑 uniquement les non métaux !

Diagram showing the types of chemical bonds formed by different elements: H (covalent), C, N, O, F (covalent), P, S, Cl (covalent), Se, Br, I, At (covalent).