

Periodensystem der wichtigsten anorganischen Verbindungen und Ionen

1 $\overset{\cdot}{\text{Li}}$	2 $\overset{\cdot}{\text{Be}}$	Nebengruppen	3 $\overset{\cdot}{\text{B}}$	4 $\overset{\cdot}{\text{C}}$	5 $\overset{\cdot}{\text{N}}$	6 $\overset{\cdot}{\text{O}}$	7 $\overset{\cdot}{\text{F}}$	8 $\overset{\cdot}{\text{Ne}}$
H: H ₂								He
Li: Metall Li ⁺	Be: Metall Be ²⁺		B	C: Graphit, Diamant CO, CO ₂ CO ₂ + H ₂ O \rightleftharpoons "H ₂ CO ₃ " "H ₂ CO ₃ " \rightleftharpoons HCO ₃ ⁻ + H ⁺ HCO ₃ ⁻ \rightleftharpoons CO ₃ ²⁻ + H ⁺	N: N ₂ NH ₃ + H ⁺ \rightleftharpoons NH ₄ ⁺ N ₂ O, NO, NO ₂ , N ₂ O ₄ HNO ₃ \rightleftharpoons NO ₃ ⁻ + H ⁺	O: O ₂ , O ₃ H ₂ O, H ₂ O ₂ H ₂ O \rightleftharpoons OH ⁻ + H ⁺ (OH ⁻ \rightleftharpoons O ²⁻ + H ⁺) O ²⁻ : nur in Salzen (Oxiden) H ₂ O + H ⁺ \rightleftharpoons H ₃ O ⁺ + H ⁺	F: F ₂ HF \rightleftharpoons F ⁻ + H ⁺	Ne
Na: Metall Na ⁺	Mg: Metall Mg ²⁺		Al: Metall Al ³⁺	Si	P H ₃ PO ₄ \rightleftharpoons H ₂ PO ₄ ⁻ + H ⁺ H ₂ PO ₄ ⁻ \rightleftharpoons HPO ₄ ²⁻ + H ⁺ HPO ₄ ²⁻ \rightleftharpoons PO ₄ ³⁻ + H ⁺	S H ₂ S, (S ²⁻) SO ₂ , SO ₃ H ₂ SO ₄ \rightleftharpoons HSO ₄ ⁻ + H ⁺ HSO ₄ ⁻ \rightleftharpoons SO ₄ ²⁻ + H ⁺	Cl: Cl ₂ HCl \rightleftharpoons Cl ⁻ + H ⁺	Ar
K: Metall K ⁺	Ca: Metall Ca ²⁺	3d Nebengruppenelemente			As		Br: Br ₂ HBr \rightleftharpoons Br ⁻ + H ⁺	Kr
	Sr						I: I ₂ HI \rightleftharpoons I ⁻ + H ⁺	Xe
	Ba: Metall Ba ²⁺							Rn
	Ra: Metall							

Nebengruppenelemente, alles Metalle:

Zn: Zn²⁺, **Fe:** Fe²⁺ und Fe³⁺, **Co:** Co²⁺, **Cu:** Cu²⁺, **Mn:** Mn²⁺ und MnO₂ und MnO₄⁻, **Ag:** Ag⁺

Cr, Mo, Ni, Vn, Hg, Cd, Tn, Pd, Pt, Au