

# PSE: Bausteine der Materie

Atome: ● Metalle, Hauptgruppe      ● Metalle, Nebengruppe      ● Halbmetalle      ● Nichtmetalle  
 Ionen: ● Kationen (positiv)      ● Anionen (negativ)

Periode	Haupt-		Metalle links - links: Me-Atome werden kombiniert										gruppen						Schale	
	I a	II a											IIIa	IVa	Va	VIa	VIIa	VIIIa		
1	H <span style="color: blue;">●</span>		Molekulare Substanzen rechts- rechts: Nicht-Me-Atome werden kombiniert																He <span style="color: yellow;">●</span>	K
	H <sup>-</sup> <span style="color: orange;">●</span>																			
2	Li <span style="color: blue;">●</span>	Be <span style="color: blue;">●</span>	Salze links- rechts: Me-Ionen mit Nicht-Me-Ionen										B <span style="color: green;">●</span>	C <span style="color: yellow;">●</span>	N <span style="color: yellow;">●</span>	O <span style="color: yellow;">●</span>	F <span style="color: yellow;">●</span>	Ne <span style="color: yellow;">●</span>	L	
	Li <sup>+</sup> <span style="color: red;">●</span>	Be <sup>2+</sup> <span style="color: red;">●</span>																		
3	Na <span style="color: blue;">●</span>	Mg <span style="color: blue;">●</span>	Nebengruppen										Al <span style="color: blue;">●</span>	Si <span style="color: green;">●</span>	P <span style="color: yellow;">●</span>	S <span style="color: yellow;">●</span>	Cl <span style="color: yellow;">●</span>	Ar <span style="color: yellow;">●</span>	M	
	Na <sup>+</sup> <span style="color: red;">●</span>	Mg <sup>2+</sup> <span style="color: red;">●</span>																		III b
4	K <span style="color: blue;">●</span>	Ca <span style="color: blue;">●</span>	Sc <span style="color: lightblue;">●</span>	Ti <span style="color: lightblue;">●</span>	V <span style="color: lightblue;">●</span>	Cr <span style="color: lightblue;">●</span>	Mn <span style="color: lightblue;">●</span>	Fe <span style="color: lightblue;">●</span>	Co <span style="color: lightblue;">●</span>	Ni <span style="color: lightblue;">●</span>	Cu <span style="color: lightblue;">●</span>	Zn <span style="color: lightblue;">●</span>	Ga <span style="color: blue;">●</span>	Ge <span style="color: green;">●</span>	As <span style="color: green;">●</span>	Se <span style="color: green;">●</span>	Br <span style="color: yellow;">●</span>	Kr <span style="color: yellow;">●</span>	N	
	K <sup>+</sup> <span style="color: red;">●</span>	Ca <sup>2+</sup> <span style="color: red;">●</span>	Sc <sup>3+</sup> <span style="color: red;">●</span>	Ti <sup>4+</sup> <span style="color: red;">●</span>	V <sup>5+</sup> <span style="color: red;">●</span>	Cr <sup>6+</sup> <span style="color: red;">●</span>	Mn <sup>7+</sup> <span style="color: red;">●</span>	Fe <sup>2+</sup> <span style="color: red;">●</span> Fe <sup>3+</sup> <span style="color: red;">●</span>	Co <sup>2+</sup> <span style="color: red;">●</span>	Ni <sup>2+</sup> <span style="color: red;">●</span>	Cu <sup>+</sup> <span style="color: red;">●</span> Cu <sup>2+</sup> <span style="color: red;">●</span>	Zn <sup>2+</sup> <span style="color: red;">●</span>	Ga <sup>3+</sup> <span style="color: red;">●</span>	Ge <sup>4+</sup> <span style="color: red;">●</span>	As <sup>3-</sup> <span style="color: orange;">●</span>	Se <sup>2-</sup> <span style="color: orange;">●</span>	Br <sup>-</sup> <span style="color: orange;">●</span>			
5	Rb <span style="color: blue;">●</span>	Sr <span style="color: blue;">●</span>	Y <span style="color: lightblue;">●</span>	Zr <span style="color: lightblue;">●</span>	Nb <span style="color: lightblue;">●</span>	Mo <span style="color: lightblue;">●</span>	Tc <span style="color: lightblue;">●</span>	Ru <span style="color: lightblue;">●</span>	Rh <span style="color: lightblue;">●</span>	Pd <span style="color: lightblue;">●</span>	Ag <span style="color: lightblue;">●</span>	Cd <span style="color: lightblue;">●</span>	In <span style="color: blue;">●</span>	Sn <span style="color: blue;">●</span>	Sb <span style="color: green;">●</span>	Te <span style="color: green;">●</span>	I <span style="color: yellow;">●</span>	Xe <span style="color: yellow;">●</span>	O	
	Rb <sup>+</sup> <span style="color: red;">●</span>	Sr <sup>2+</sup> <span style="color: red;">●</span>	Y <sup>3+</sup> <span style="color: red;">●</span>	Zr <sup>4+</sup> <span style="color: red;">●</span>	Nb <sup>5+</sup> <span style="color: red;">●</span>	Mo <sup>6+</sup> <span style="color: red;">●</span>	Tc <sup>7+</sup> <span style="color: red;">●</span>	Ru <sup>3+</sup> <span style="color: red;">●</span>	Rh <sup>3+</sup> <span style="color: red;">●</span>	Pd <sup>2+</sup> <span style="color: red;">●</span>	Ag <sup>+</sup> <span style="color: red;">●</span>	Cd <sup>2+</sup> <span style="color: red;">●</span>	In <sup>3+</sup> <span style="color: red;">●</span>	Sn <sup>4+</sup> <span style="color: red;">●</span>		Te <sup>2-</sup> <span style="color: orange;">●</span>	I <sup>-</sup> <span style="color: orange;">●</span>			
6	Cs <span style="color: blue;">●</span>	Ba <span style="color: blue;">●</span>	La <span style="color: lightblue;">●</span>	Hf <span style="color: lightblue;">●</span>	Ta <span style="color: lightblue;">●</span>	W <span style="color: lightblue;">●</span>	Re <span style="color: lightblue;">●</span>	Os <span style="color: lightblue;">●</span>	Ir <span style="color: lightblue;">●</span>	Pt <span style="color: lightblue;">●</span>	Au <span style="color: lightblue;">●</span>	Hg <span style="color: lightblue;">●</span>	Tl <span style="color: blue;">●</span>	Pb <span style="color: blue;">●</span>	Bi <span style="color: blue;">●</span>	Po <span style="color: green;">●</span>	At <span style="color: yellow;">●</span>	Rn <span style="color: yellow;">●</span>	P	
	Cs <sup>+</sup> <span style="color: red;">●</span>	Ba <sup>2+</sup> <span style="color: red;">●</span>	La <sup>3+</sup> <span style="color: red;">●</span>	Hf <sup>4+</sup> <span style="color: red;">●</span>	Ta <sup>5+</sup> <span style="color: red;">●</span>	W <sup>6+</sup> <span style="color: red;">●</span>	Re <sup>7+</sup> <span style="color: red;">●</span>	Os <sup>3+</sup> <span style="color: red;">●</span>	Ir <sup>2+</sup> <span style="color: red;">●</span>	Pt <sup>2+</sup> <span style="color: red;">●</span>	Au <sup>3+</sup> <span style="color: red;">●</span>	Hg <sup>2+</sup> <span style="color: red;">●</span>	Tl <sup>+</sup> <span style="color: red;">●</span>	Pb <sup>2+</sup> <span style="color: red;">●</span> Pb <sup>4+</sup> <span style="color: red;">●</span>						