

## Hume-Rothery-Phases (Electron-compounds)

Elements of A2 (green) react with elements of B1 (violet) and forms different non stoichiometric phases with small and medium phase-widths. Structures are mainly being induced by ratios of Valence-Electron-Concentration (VEC).

H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn

Binary Copper (Cu) – Zinc (Zn) phase diagram containing Hume-Rothery-Phases (alpha – beta – gamma – epsilon – eta)

