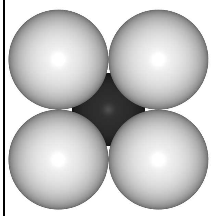
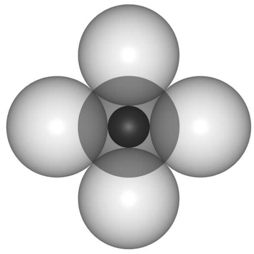
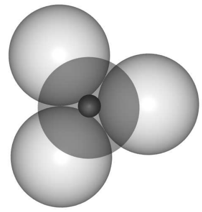
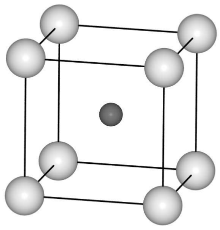
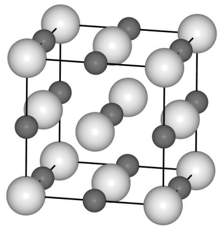
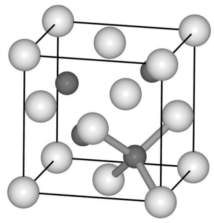
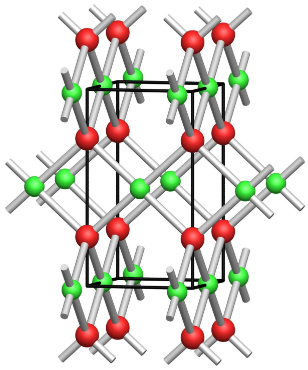
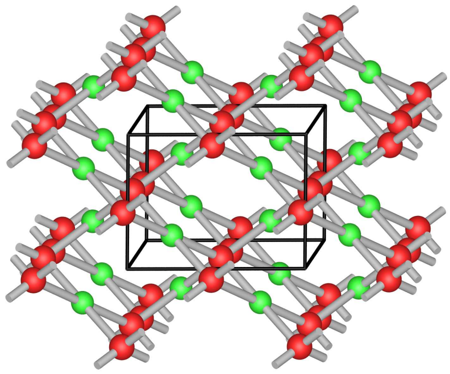
Pauling-Regeln: Strukturen zur Bestätigung bzw. als Ausnahmen
Strukturen von Ionenkristallen AB (Wiederholung EFK/Metall-Vorlesung)
❶ Radienverhältnisregel

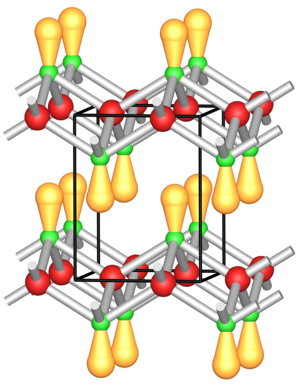
$CN_{Anion/Kation}$ =	8	6	4
$\frac{r_{Kation}}{r_{Anion}}$	> 0.73	0.73 – 0.41	0.41 –0.22
Kationen-koordination			
Elementarzelle			
Strukturtyp	**CsCl**	**NaCl**	**ZnS** (Zinkblende)
M^{I}-Halogenide	CsCl, CsBr, CsI	LiF, LiCl, NaF, NaCl, KF, KCl, RbF, RbCl, CsF	-
M^{II}-Chalkogenide	-	MgO, CaO, SrO, BaO, CaS, SrS	BeO, MgTe



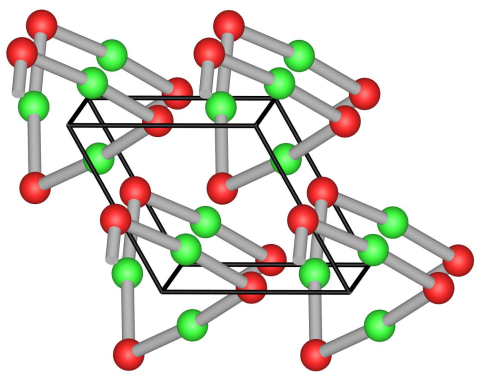
Struktur von PtO (PtS-Typ)



Struktur von CuO



PbO und SnO (PbO-Typ)



HgO (gelb) (Zinnober-Typ)