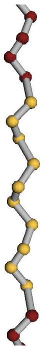
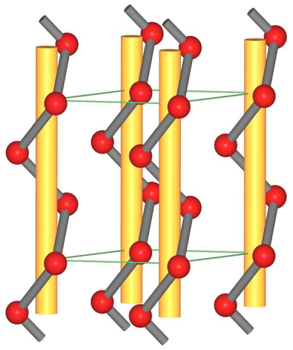
2.3. Kovalente Verbindungen (Forts.)



S_x

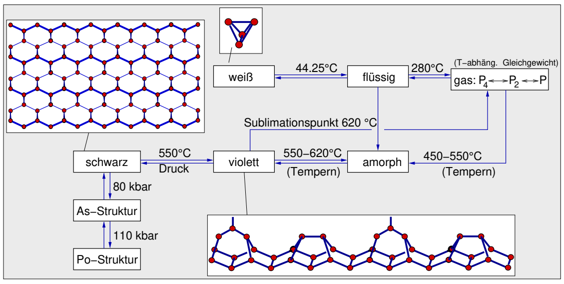


Se

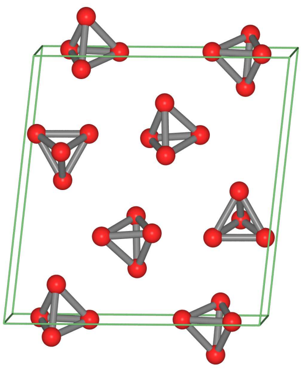
	d^1_{X-X} intram. [pm]	d^2_{X-X} interm. [pm]	$\angle_{XXX}$ [°]	Diederwinkel [°]	Anordnung	Bandlücke [eV]
S_8 (α) S_{12} S_∞	205	380	108	98	cisoid cis/transoid transoid	
Se (grau)	237	344	103.1		transoid	2.2
Te	283	349	101.5		transoid	0.33
Po (α)	336	336	90	90	-	

2.2.4. Pentele (Pnicogene)

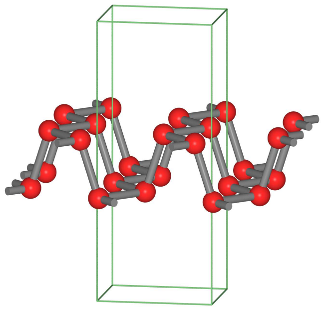
	d^1_{X-X} intram. [pm]	d^2_{X-X} interm. [pm]	$\angle_{X-X-.X}$ [°]	Bandlücke [eV]
P_4	221		60	
P (Hittorf)	222		100.9	
P (schwarz)	222	331	96-102	
P (8.3 GPa)	213	327	105	
P (11 GPa)	238	238	90	
As (A7)	252	312	97	klein
Sb (A7)	291	336	95	0
Sb (8.5 GPa)	296	296	90	0
Bi (A7)	307	353	95	0



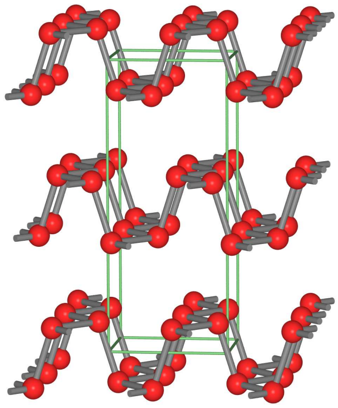
Polymorphie von Phosphor



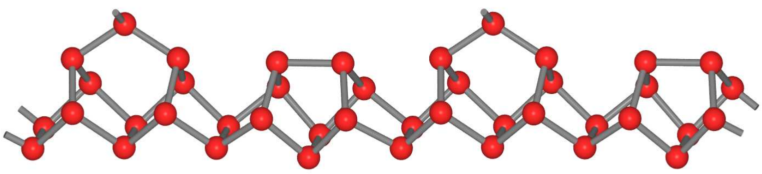
weißer Phosphor



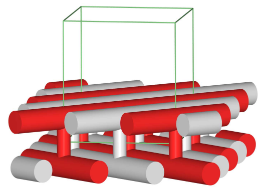
$P_{schwarz}$, A17 (Einzelschicht)



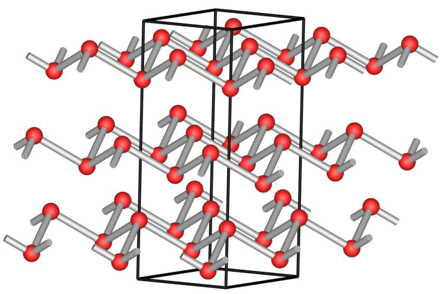
$P_{schwarz}$, A17 (Elementarzelle)



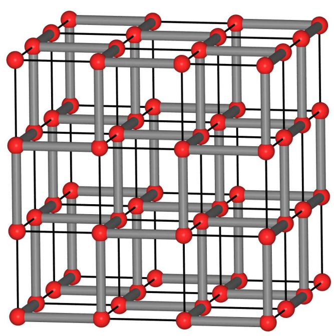
$P_{Hittorf}$ (Einzelröhre)



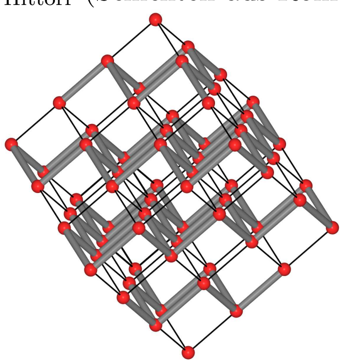
$P_{Hittorf}$ (Schichten aus Röhren)



Struktur von grauem As



Zusammenhang zwischen



α-Po und As_{grau} (A7)