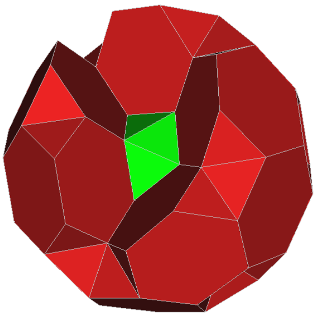
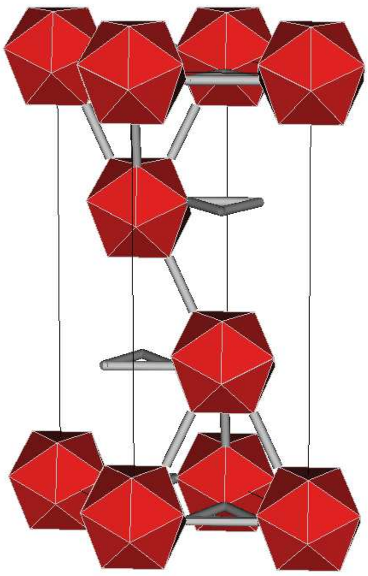
8. Nichtmetalle der 3. Hauptgruppe: B

8.1 Element

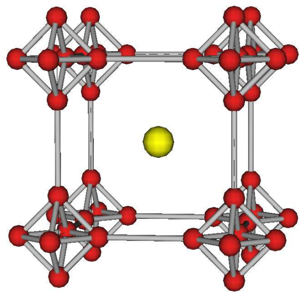


β-rhomboedrischem B (Bauelement)

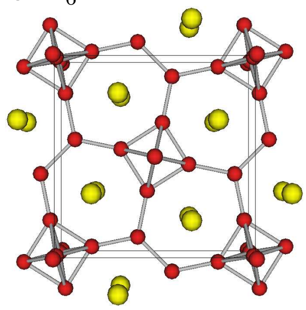


α-rhomboedrisches B

8.2 Boride



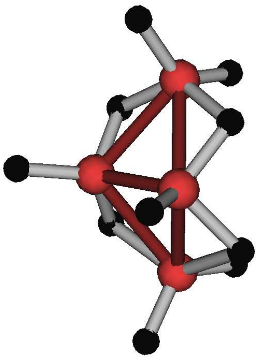
CaB_6



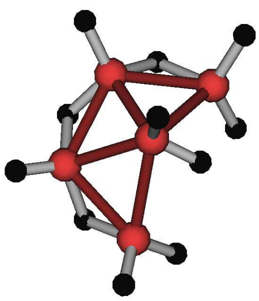
LaB_4

8.3 Borane

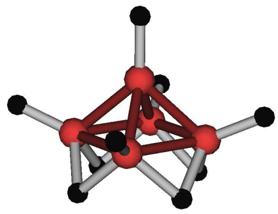
unbes. Ecken	Gerüst-e^--Paare	Bezeich-nung	allgem. Formel	Beispiele Grundpolyeder 6	7	8	9	10	11	12	14
0	m+1	closo	$[B_nH_n]^{2-}$	$B_6H_6^{2-}$	-	-	-	$B_{10}H_{10}^{2-}$	-	$B_{12}H_{12}^{2-}$	-
1	m+2	nido	B_nH_{n+4}	B_5H_9	B_6H_{10}	-	B_8H_{12}	-	$B_{10}H_{14}$	-	-
2	m+3	arachno	B_nH_{n+6}	B_4H_{10}	B_5H_{11}	B_6H_{12}	-	B_8H_{14}	B_9H_{15}	$B_{10}H_{16}$	$B_{14}H_{20}$
3	m+4	hypho	B_nH_{n+8}	-	-	$B_5H_{12}^-$	-		B_8H_{18}	-	-



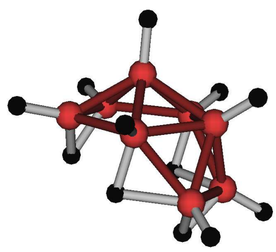
B_4H_{10}



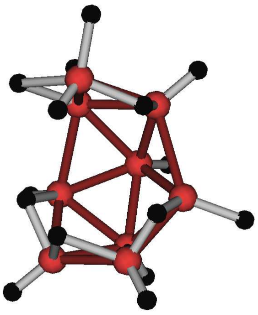
B_5H_{11}



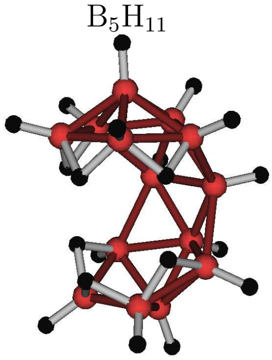
B_5H_9



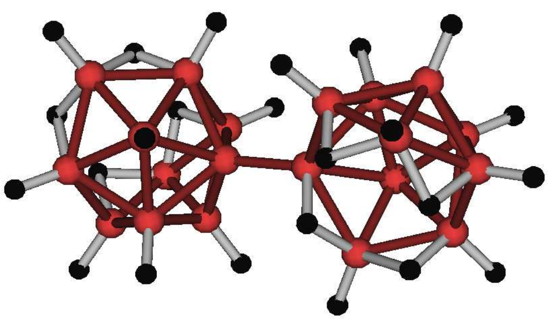
B_8H_{12}



B_9H_{15}



$B_{14}H_{20}$



$B_{20}H_{26}$