

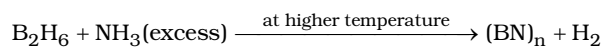
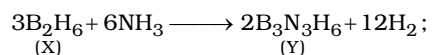
Daily Tutorial Sheet-13
Level-3

147.(A) $\text{CoO} + \text{B}_2\text{O}_3 \longrightarrow \text{Co}(\text{BO}_2)_2$ (blue bead)

148.(B) As $\text{Al}(\text{OH})_3$ is amphoteric in nature and thus form $[\text{Al}(\text{H}_2\text{O})_2(\text{OH})_4]^-$.

149.(D) Due to small size of boron, the sum of its first three ionization enthalpies is very high. This prevents it to form $+3$ ions.

150.(C) The reactions involved are



151.(B) Very pure silicon is obtained by zone refining.

152.(D) In TiX_3 , Ti exist as Ti^+ due to inert pair effect