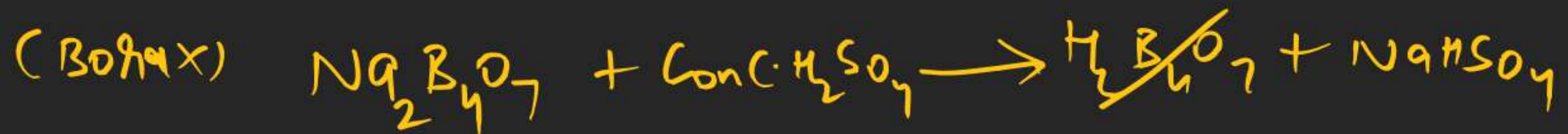
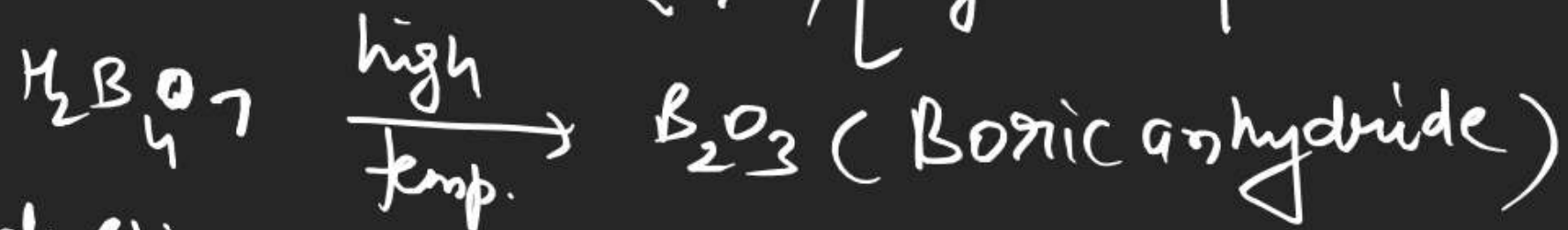


Prep. of B

- ① from borax
- ② from Colemanite
- ③ from Boric acid

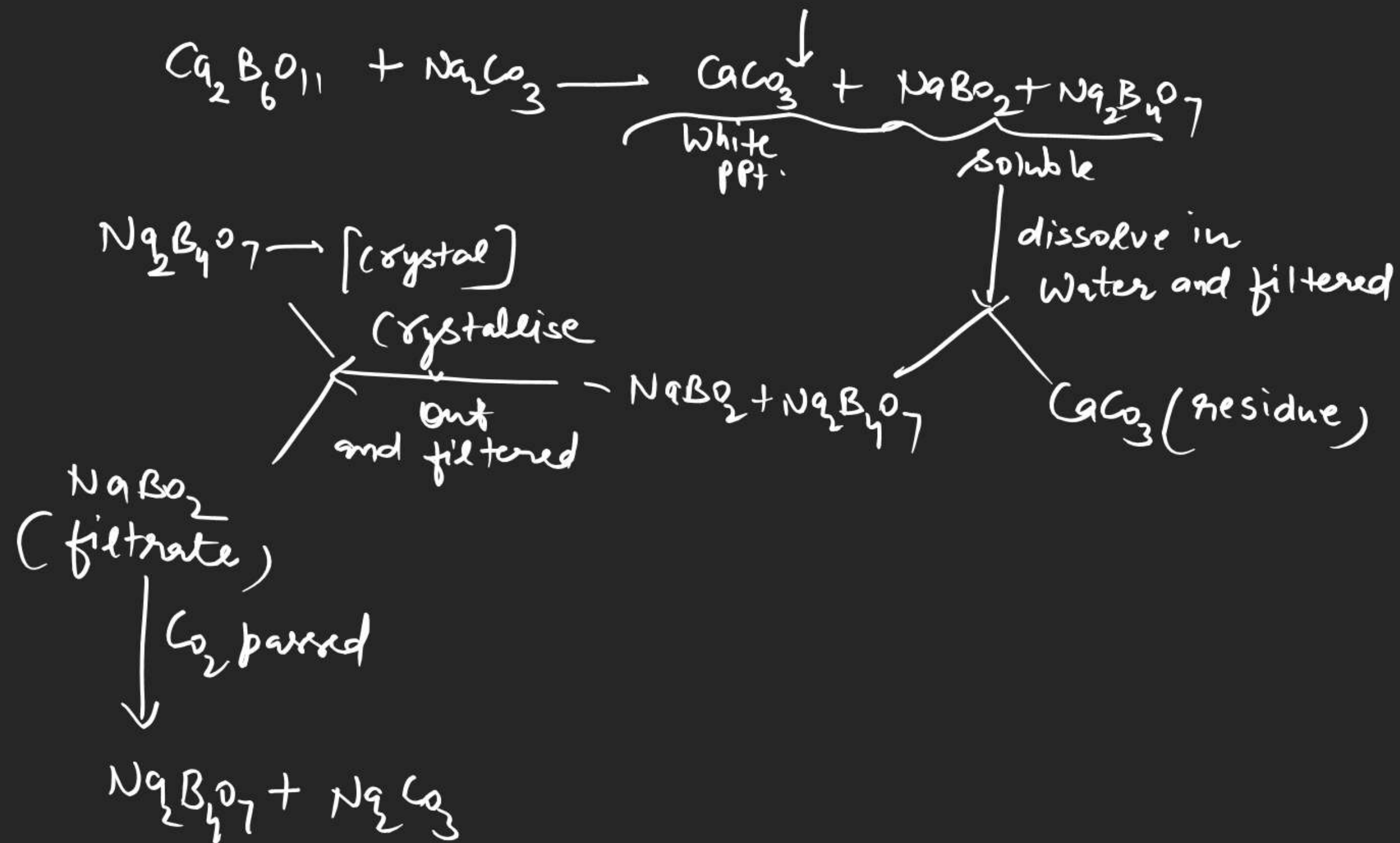


Prep of B — formation of B_2O_3
 — Reduction of B_2O_3



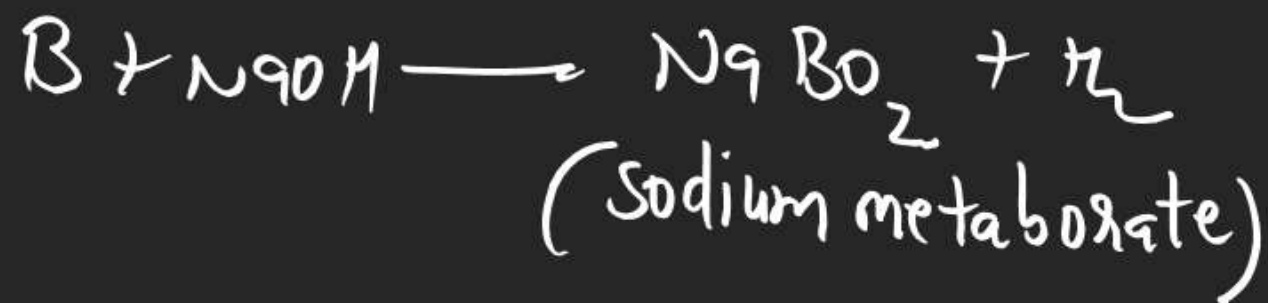
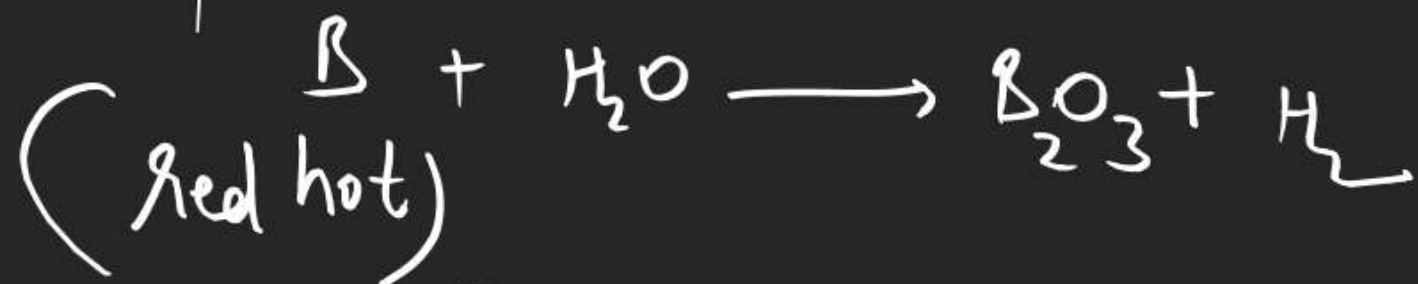
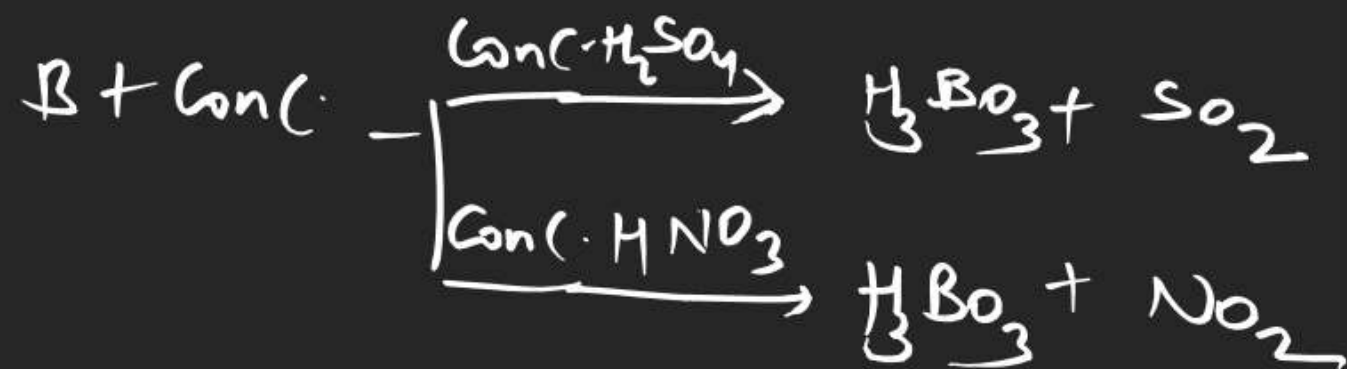
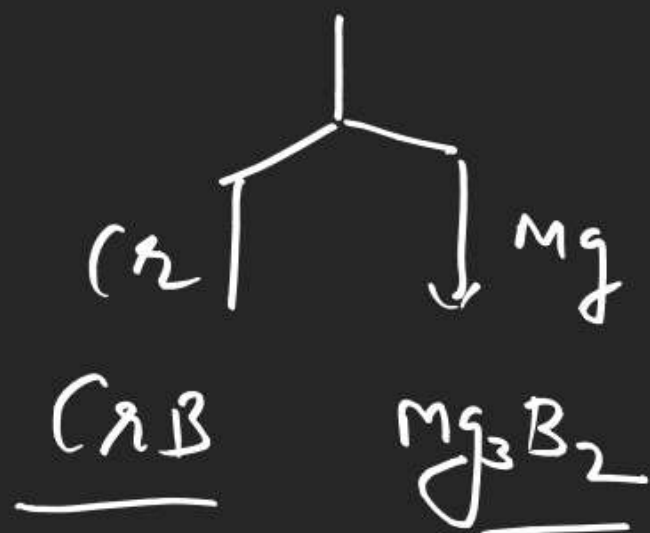
Reduction

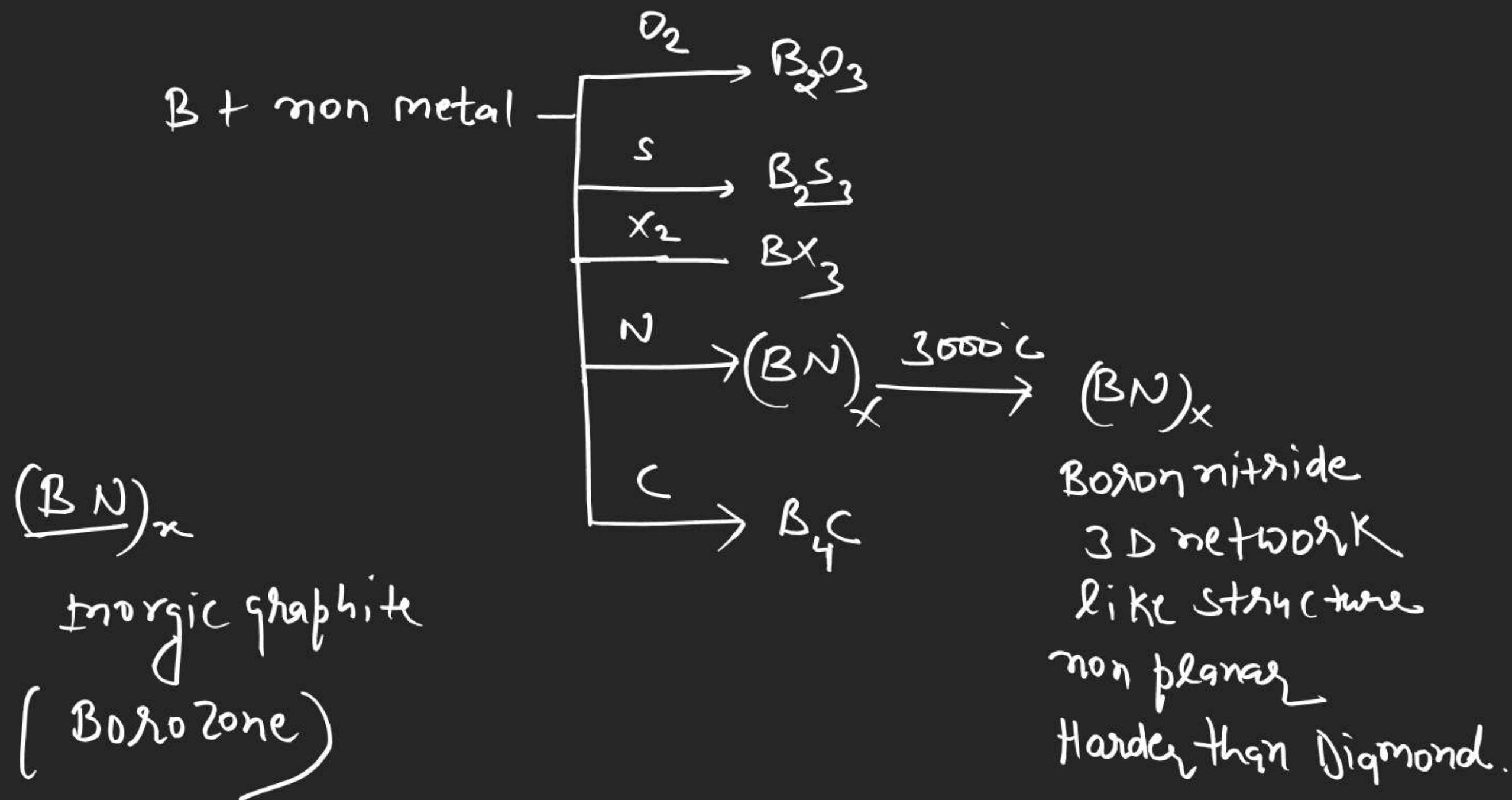




Chemical Reaction of B

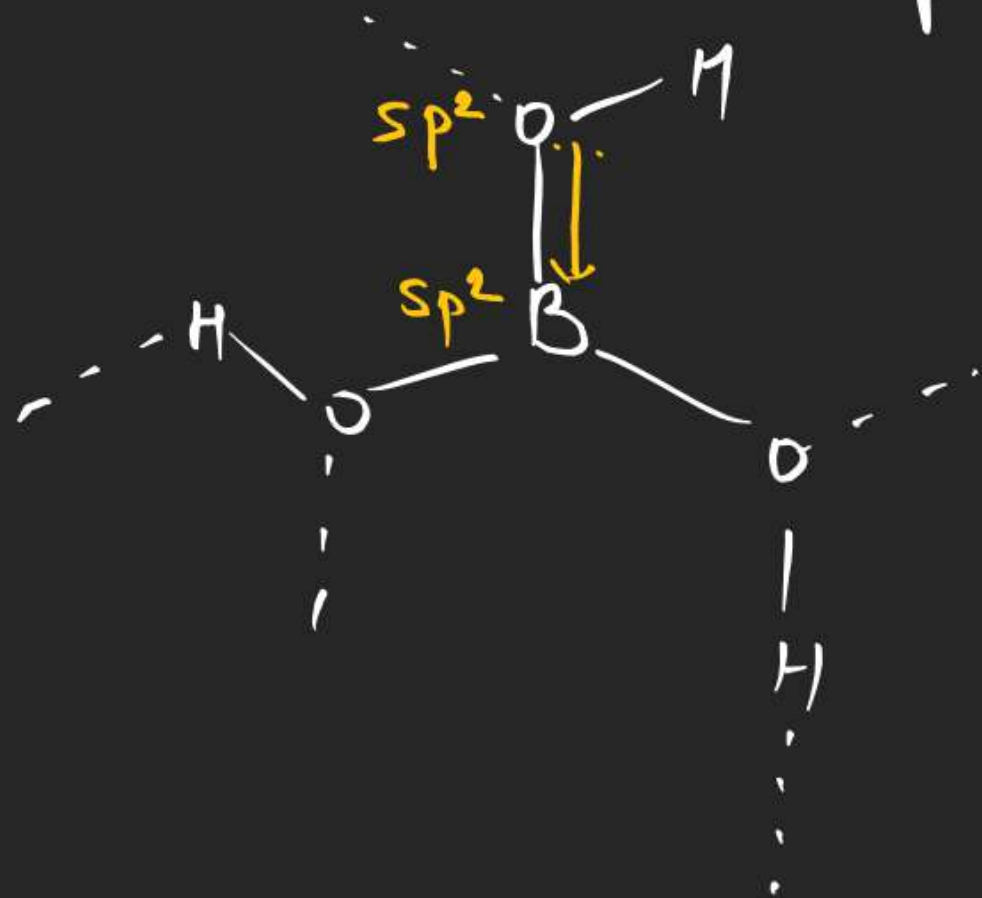
B + metal



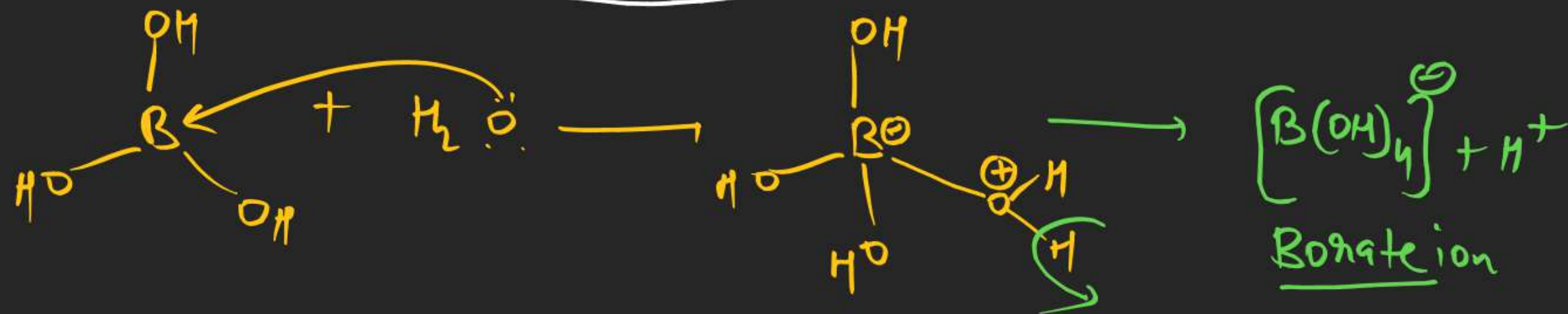
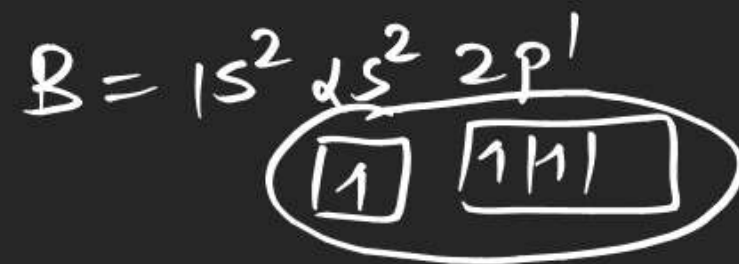




White Crystalline solid
Sparingly soluble in water



Intermolecular H Bonding
2D Sheet like Hexagonal
planar structure



~~★~~ Boric acid is not a proton donor acid
 it is a weak monobasic lewis acid

basicity of $H_3BO_3 \Rightarrow$ one

Prep. of H_3BO_3

