

SUBJECT - CHEMISTRY

CLASS - BSc(Hons) PART-1

PAPER : I

GROUP : A

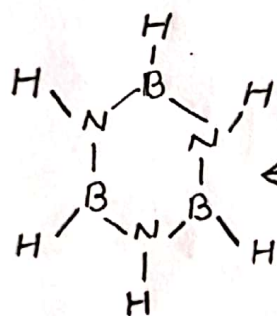
TOPIC : BORAZINE

Dr Hazi Mohan prasad Singh

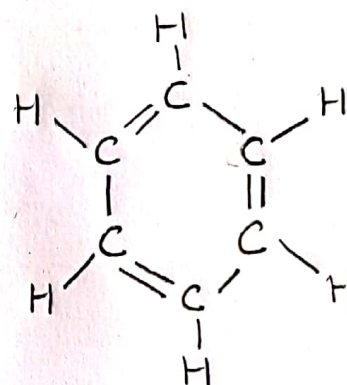
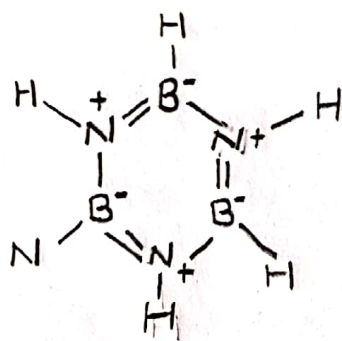
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Page No - 01
Date - 27.04.20



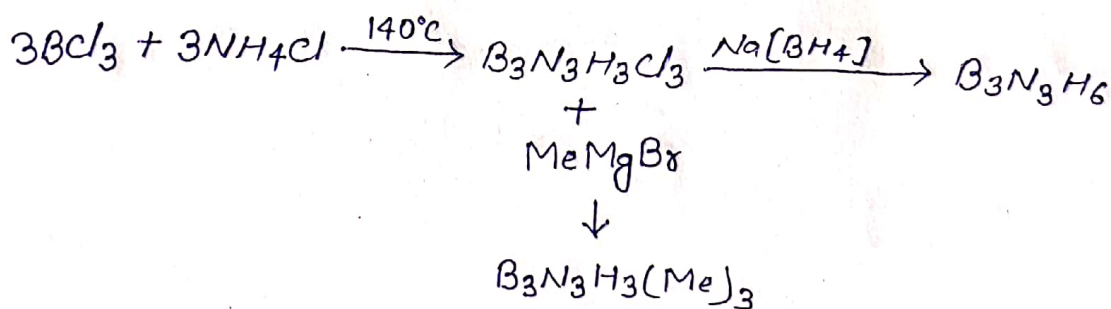
Borazine



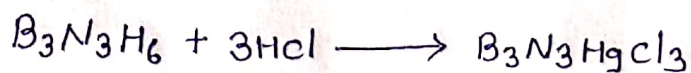
Benzene

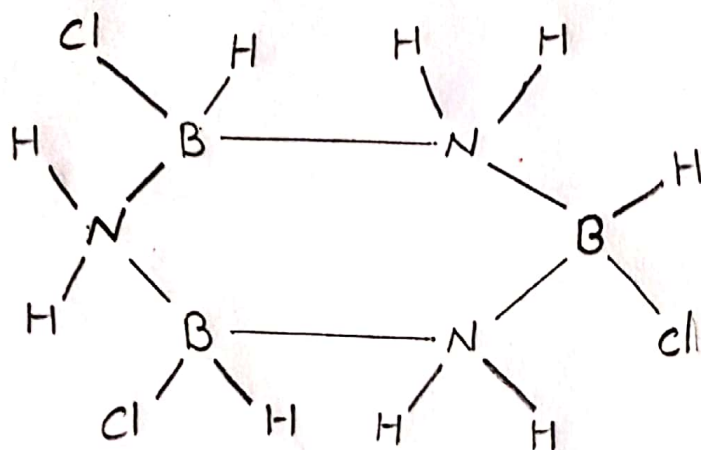
Borazine $B_3N_3H_6$ is sometimes called 'inorganic benzene' because its structure shows some formal similarity with benzene, with delocalized electrons and aromatic character. Their physical properties are also similar.

Borazine and substituted borazines are now made:

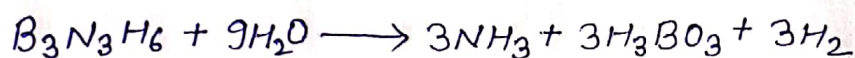


Borazine forms π complexes such as $B_3N_3H_6 - Cr(CO)_3$ with transition metal compounds. Borazine is considerably more reactive than benzene, and addition reactions occur quite readily:





If heated with water, borazine hydrolyses slowly.



Some other reactions of boranes

