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B.Sc Part III

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PAGE

NITROGEN:-

Atomic no - 7

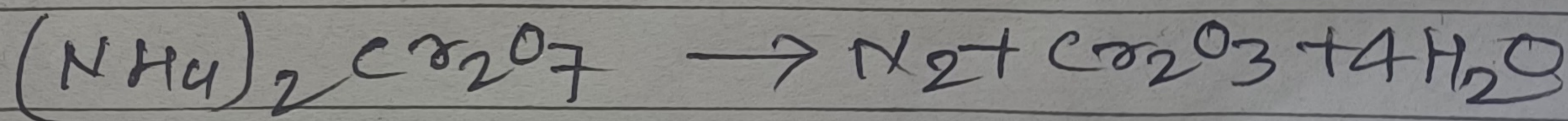
Electronic Configuration :- $1s^2, 2s^2, 2p_x^1, p_y^1, p_z^1$

mass no = 14

Occurrence :- Nitrogen is the main constituent of air. Air contains 78% nitrogen by volume. It occurs as nitre (or saltpetre) KNO_3 and as chile saltpetre, $NaNO_3$

Prepⁿ :- (1) Ammonium dichromate :-

It is prepared by heating ammonium dichromate to give green residue of chromic oxide is left behind and Nitrogen gas is evolved.



The reaction is vigorous.

(2) From Ammonia :-

To be continued