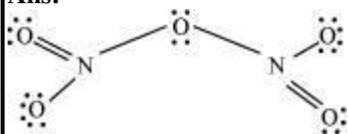


Q.6 What is the covalence of nitrogen in N_2O_5 ?

Ans:



From the structure of N_2O_5 , it is evident that the covalence of nitrogen is 4.

Therefore, when PCl_5 is heated strongly, it decomposes to form PCl_3 .



Q.10 Write a balanced equation for the hydrolytic reaction of PCl_5 in heavy water.

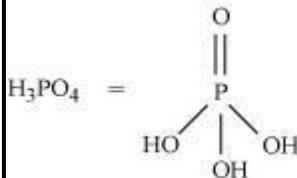


Ans:

Q.11 What is the basicity of H_3PO_4 ?

Answer :

H_3PO_4



Since there are three OH groups present in H_3PO_4 , its basicity is three i.e., it is a tribasic acid.