

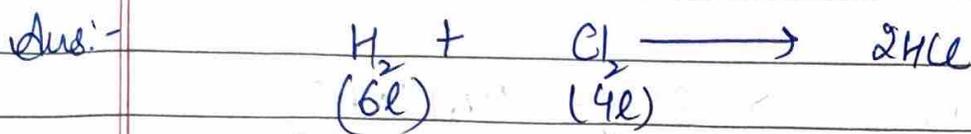
CLASS - X

CHAPTER - 5

SUBJECT - CHEMISTRY

TEACHER - ANAMIKA

Q:- If 6 l of Hydrogen & 4 l of Chlorine are mixed & exploded & if water is added to the gas formed; find vol. of Residual gas.



1 vol. of H_2 combine with 1 vol. of Cl_2

\therefore 6 l " " " 6 l " Cl_2

But there is only 4 l of Cl_2 . Therefore Cl_2 is limiting reagent.

\therefore Only 4 l of H_2 is used. Remaining 2 l remain unreacted. Water is added to the solⁿ as HCl is highly soluble in water.

Q:- What vol. of propane is burnt for every 500 cm³ of air used in the reaction under same condition?
(Assuming oxygen is $\frac{1}{5}$ th of air)

