

Topic : Study of Compounds : A . Hydrogen Chloride

- 1 . **Make a neat and tidy note of all the topics discussed in the video in your Classwork copy.**

2. The Direct Combination of Hydrogen and Chlorine yields best results when performed in diffused sunlight. State one method by which this reaction proceeds even when performed in dark.

3. Answer the following questions with reference to the Laboratory preparation Of Hydrogen Chloride :
 - i) Conc. Nitric acid cannot be used in this process. Give reason.
 - ii) Of all the metal chlorides, Sodium Chloride is preferred.
 - iii) Write the Chemical equation for the reaction involved.
 - iv) Why should the temperature be maintained below 200°C ?
 - v) Name the method of collection of the gas .
 - vi) What is the drying agent used ? Why can't the other drying agents be used ?
 - vii) How can we identify whether the gas jar is full of HCl or not ?