

**KERALA PUBLIC SCHOOLS**  
**ACADEMIC YEAR 2020-21**  
**HOME ASSIGNMENT (13-07-2020 to 18-07-2020)**



CLASS	SUBJECT	CHAPTER	TOPIC	WEBLINK
X	CHEM	Hydrogen Chloride	<p><b>Questions :</b></p> <p>0.1. The following questions are related to preparation of hydrogen chloride in laboratory:</p> <p>(a) Name the reactants required for the laboratory preparation of hydrogen chloride and write the balanced equation.</p> <p>(b) Why concentrated sulphuric acid use in the laboratory preparation of hydrogen chloride .</p> <p>(c) Name the drying agent used in the reaction.</p> <p>(d) Why Calcium oxide and phosphorous pentoxide are not used as drying agent? (Give reaction)</p> <p>(e) Name the rmethod used for collecting hydrogen chloride.</p> <p>(f) Hydrogen chloride is not collected over water. Justify</p> <p>(g) Burning candle extinguishes when placed in a gas jar containing dry hydrogen. Justify</p> <p>Q.2 Give the reaction for therrnal dissociation of hydrogen chloride.</p> <p>Q.3 Mention the two advantages of special funnel arrangement.</p> <p>Q.4 Write balanced equation for the following reaction with dilute hydrochloric acid:</p> <ul style="list-style-type: none"> <li>• Ammonium hydroxide</li> <li>• Sodium hydrogen sulphite</li> <li>• Silver nitrate</li> <li>• Ferrous sulphide</li> <li>• Lead nitrate</li> <li>• Thiosulphate</li> <li>• Magnesium</li> <li>• Zinc</li> <li>• Calcium bicarbonate</li> <li>• Potassiurn sulphite</li> </ul> <p>Q.S. Reaction of conc. Hydrochloric acid with manganese dioxide.</p> <p>Q.6. How will you differentiate between Dil HCl and Dil HNO,</p>	

*Rakshmi*

**DIRECTOR ACADEMICS**