

Instructions:

Read the question paper carefully. Write neatly and legibly. Do not over write. Pay special attention to spelling.

I. Fill in the blanks:

[2]

- _____ experiment demonstrates that hydrogen chloride is soluble in water.
- Covalent bond is formed due to _____ of electrons.

II. Give reasons:

[2]

- Hydrogen chloride can be termed as a polar covalent compound.
- Hydrogen chloride gas cannot be dried over quick lime.

III. Answer the following:- (any three)

[6]

- Draw electron dot structure for: (i) Methane molecule (ii) Nitrogen molecule
- Write balanced chemical equations for the laboratory preparation of HCl gas when the reaction is:
(i) Below 200°C (ii) Above 200°C
- Compare carbon tetra chloride and sodium chloride with regard to solubility in water and electrical conductivity.
- Write balanced equations for the reaction of dilute hydrochloric acid with:
(i) Iron (ii) Sodium hydrogen carbonate

Downloaded From www.ck12.org