

Name-

Chemistry test

Date: 05-05-16

Class 10th CBSE

M.Marks 28

Time- 40 min

Two Marks Each

1. Explain the following terms with example: (i) Corrosion (ii) Rancidity.
2. What do you mean by precipitation reaction? Explain with examples.
3. In the refining of silver, the recovery of silver from silver nitrate solution involve displacement by copper metal. Write down the reaction involved.
4. What is the difference between the displacement and double displacement reactions? Write equations for these reactions.
5. A shiny brown coloured element 'X' on heating in air becomes black in colour. Name the element 'X' and the black coloured compound formed.
6. Why do we apply paint on iron articles?

Four Marks Each

7. A silver article generally turns black when kept in the open for a few days. The article when rubbed with toothpaste again starts shining.
 - (a) Why do silver articles turn black when kept in the open for a few days? Name the phenomenon involved.
 - (b) Name the black substance formed and give its chemical formula.
8. Zinc liberates hydrogen gas when reacted with dilute hydrochloric acid, whereas copper does not. Explain why?
9. During the reaction of some metals with dilute hydrochloric acid, following observations were made :
 - (a) Silver metal does not show any change.
 - (b) The temperature of the reaction mixture rises when aluminium (Al) is added.
 - (c) The reaction of sodium metal is found to be highly explosive.
 - (d) Some bubbles of a gas are seen when lead (Pb) is reacted with the acid.

Explain these observations giving suitable reasons.

10. Which among the following are physical or chemical changes?
 - (a) Evaporation of petrol
 - (b) Burning of liquefied petroleum gas (LPG)
 - (c) Heating of an iron rod to red hot
 - (d) Curdling of milk
 - (e) Sublimation of solid ammonium chloride

