

Q.1 Multiple Choice Questions

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- 1 The reaction of iron nail with copper sulphate solution is reaction.
- a. Combination b. Decomposition
c. Displacement d. Double displacement

Q.2 Find the odd one out

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- 1 MnO_2 , PbO_2 , F_2 , HgCl_2

Q.3 Find co-related terms

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- 1 ZnSO_4 : Colourless solution :: CuSO_4 :

Q.4 Match the pair

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Column "A"	Column "B"
i. Photosynthesis	a. Sound
ii. Dissociation of water molecules	b. Heat
	c. Light
	d. Electric current

Q.5 Name the following

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- 1 The gas evolved when sodium metal reacts with ethanol.

Q.6 Give scientific reasons

4

- 1 While preparing dilute sulphuric acid from concentrated sulphuric acid in the laboratory, the concentrated sulphuric acid is added slowly to water with constant stirring.
- 2 A chemical change is associated with the evolution or absorption of energy. Explain.

Q.7 Laws/define/principles

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- 1 Explain displacement reaction with example.
- 2 Explain Endothermic Reaction with example.

Q.8 Distinguish between(Any One)

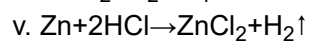
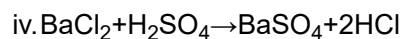
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- 1 Explain the similarity and difference in two events, namely adding NaOH to water and adding CaO to water.
- 2 Endothermic processes and Exothermic processes

Q.9 Answer the following in detail (Any One)

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- 1 Classify the following reactions as combination, decomposition, displacement and double displacement reaction.
- i. $\text{H}_2 + \text{Cl}_2 \rightarrow 2\text{HCl}$
- ii. $2\text{HgO} \xrightarrow{\Delta} 2\text{Hg} + \text{O}_2 \uparrow$
- iii. $2\text{KI} + \text{Cl}_2 \rightarrow 2\text{KCl} + \text{I}_2$



2 State observations for the following, also give equation for same. (ANY 5)

i. Copper is exposed to air.

ii. Iron reacts with sulphur.

iii. Calcium oxide (quick lime) is mixed with water.

iv. Zinc reacts with copper sulphate.

v. Ozone is subjected to heat and light.

vi. When iron rod is exposed to air.

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KIRAN TUTORIALS