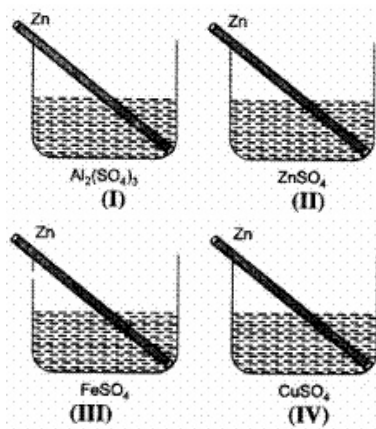


CBSE Test Paper-03

Chapter 01 Chemical Reactions and Equations

1. Reaction between water and quick lime gives rise to calcium hydroxide which of the following statement are correct? **(1)**
- A. The reaction is exothermic
 - B. The PH of final solution is less than 7
 - C. The reaction is endothermic
 - D. The PH of final solution is greater than 7
- a. A and C
 - b. C and D
 - c. A and D
 - d. All of these
2. Four students A, B, C and D noted the initial colour of the solutions in beakers I, II, III and IV. After inserting zinc rods in each solution and leaving it undisturbed for two hours, noted the colour of each solution again.



They recorded their observations in the form of table given below:

Student	Colour of the solution	I	II	III	IV
A	Initial	Colour less	Colour less	Light green	Blue
	Final	Colour less	Colour less	Colour less	Colour less
B	Initial	Colour less	Light yellow	Light green	Blue
	Final	Colour less	Colour less	Light green	Colour less

C	Initial	Colour less	Colour less	Light green	Blue
	Final	Light blue	Colour less	Colour less	Light blue
D	Initial	Light green	Colour less	Light green	Blue
	Final	Colour less	Colour less	Dark green	Colour less

Which student noted the colour change in all the four beakers correctly? **(1)**

- C
 - A
 - B
 - D
3. Choose a displacement reaction. **(1)**
- burning of metals
 - addition of more active metal to a solution of a less active metal compound.
 - extraction of metals.
 - electrolysis
4. The colour of solid product formed on heating ferrous sulphate is **(1)**
- reddish brown
 - green
 - black
 - colourless
5. Heat is evolved during **(1)**
- Combination Reaction
 - Displacement Reaction
 - Endothermic Reaction
 - Combustion Reaction
6. Write the balanced chemical equation for the following reaction and identify the type of reaction.
Zinc carbonate (s) → Zinc oxide (s) + Carbon dioxide (g) **(1)**
7. Name the type of reaction :Zinc reacts with sulphuric acid to form zinc sulphate and hydrogen. **(1)**
8. What is the difference between the following two reactions? **(1)**