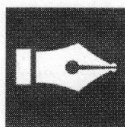


Name

Class.....

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Time
25 Min.Max.
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TOPIC-1

Chemical Reactions and Equations

- A Q. 1.** Write the chemical equation for reactions that takes place when lead nitrate and potassium iodide solutions are mixed. [Board Term-I, 2011] (1)

Ans.
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- A Q. 2.** Write a balanced chemical equation for the following reaction.

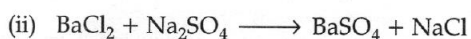
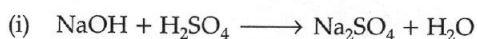
Ethanol is warmed with ethanoic acid to form ethyl acetate in the presence of concentrated H_2SO_4 . [NCERT Exemplar] (1)

Ans.

- U Q. 3.** State what happens when zinc granules are heated with sodium hydroxide solution. Write the balanced chemical equation for the reaction. Name the main product formed in this reaction. [DDE-2015] (2)

Ans.
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- A Q. 4.** Balance the following chemical equations :



[NCT-2014 (NCERT)] (2)

Ans.
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- R Q. 5.** Identify the type of each of the following reactions. Also write balanced chemical equation for each.

(a) The reaction mixture becomes warm.

(b) An insoluble substance is formed.

[Board Term-I, Set-A85V2IL, 2015] (3)

Ans.
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- A Q. 6.** (a) Solution of a substance 'X' is used for testing carbon dioxide. Write the equation of the reaction of 'X' with carbon dioxide.
- (b) How is 'X' obtained ? Write chemical equation. **[Board Term-I, Set-2ZGOVVV, 2015] (3)**

Ans.
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- R+A Q. 7.** (a) List any three observations which determine that a chemical reaction has taken place. Also list three informations that cannot be obtained about a chemical reaction, merely by its chemical equation.
- (b) Balance the following chemical equations.
- (i) $\text{Fe} + \text{H}_2\text{O} \longrightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$
- (ii) $\text{CO}_2 + \text{H}_2\text{O} \longrightarrow \text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2$ **[DDE-2014] (5)**

Ans.
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