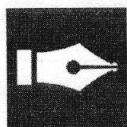


Name .....

Class.....

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Time  
25 Min.Max.  
Marks  
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## TOPIC-1

## Chemical Reactions and Equations

Q. 1. Name and state the law which is kept in mind while we balance a chemical equation.

[Board Term-I, Set (21), 2011] (1)

Ans. ....

Q. 2. State one basic difference between a physical change and a chemical change.

[Board Term-I, Set (21), 2011] (1)

Ans. ....

Q. 3. What is observed when carbon dioxide gas is passed through lime water.

(i) For a short duration

(ii) For long duration ? Also write the chemical equations for the reaction involved.

[Board Term-I, Set L7ZSVLH, 2016] (2)

Ans. ....

Q. 4. A copper plate was dipped into a solution of silver nitrate. After sometime, a black layer was observed on the surface of copper plate. State the reason for it and write chemical equation of the reaction involved.

[Board Term-I, Set OQKPLGV, 2016] (2)

Ans. ....

Q. 5. Write the steps for balancing the chemical equation for the formation of ammonia by the combination of nitrogen and hydrogen.

[DDE-2014] (3)

Ans. ....  
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**Q. 6.** (a) Mention the four informations given by an equation.  
(b) State the law of conservation of mass as applicable in a chemical reaction.  
**[Board Term-I, Set-WJ7QPA9, 2013] (3)**

Ans. ....  
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**Q. 7.** Write balanced chemical equations for the following statements :  
(i) Bleaching powder is kept open in air.  
(ii) Blue crystals of copper sulphate are heated.  
(iii) Chlorine gas is passed through dry slaked lime.  
(iv) Carbon dioxide gas is passed through lime water.  
(v) NaOH solution is heated with zinc granules. **[Board Term-I, Set L7ZSVLH, 2016] (5)**

Ans. ....  
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