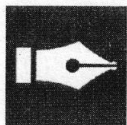


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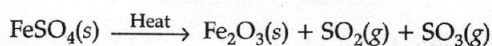
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Obtained**TOPIC-1****Chemical Reactions and Equations**

- AQ. 1.** Is burning of a candle, a physical change or a chemical change? [Board Term-I, Set (33), 2011]  
[NCERT Exemplar] (1)

Ans. ....

- AQ. 2.** Write a balanced chemical equation :



[Board Term-I, 2011] (1)

Ans. ....

- RQ. 3.** Write the skeletal equation for the following reactions :

- (i) Hydrogen sulphide reacts with sulphur dioxide to form sulphur and water. [NCERT Exemplar]  
(ii) Methane on burning combines with oxygen to produce carbon dioxide and water.

What is the need of balance equations ?

[Board Term-I, Set (36), 2012] (2)

Ans. ....

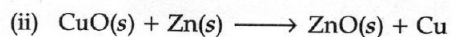
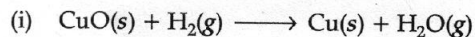
- UQ. 4.** Translate the following statement into chemical equation and then balance it :

"A metal in the form of ribbon burns with a dazzling white flame and changes into a white powder."

[Board Term-I, Set (46), 2012] (2)

Ans. ....

- AQ. 5.** (a) In the following reactions name the reactants, which undergo oxidation and reduction :



- (b) State one industrial application of reduction.

[DDE-2015] (3)

Ans. ....

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- AQ. 6.** (a) Write chemical equations : [DDE-2015]  
(i) When carbon dioxide gas is passed through lime water.  
(ii) When excess of carbon dioxide gas is passed through lime water.  
(b) List two natural forms of calcium carbonate. (3)

**Ans.** .....  
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- A Q. 7.** Write balanced chemical equations for the following statements :
- (i) NaOH solution is heated with zinc granules.
  - (ii) Excess of carbon dioxide gas is passed through lime water.
  - (iii) Dilute sulphuric acid reacts with sodium carbonate.
  - (iv) Egg shells are dropped in hydrochloric acid.
  - (v) Copper (II) oxide reacts with dilute hydrochloric acid. [Board Term-I, Set-5X7289R, 2014] (5)

**Ans.** .....  
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