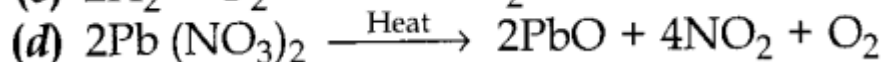
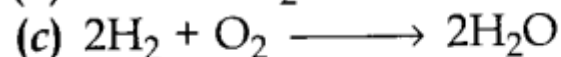
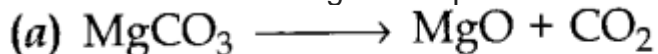


# Chapter 1 Chemical Reactions and Equations

1. Which of the following is a displacement reaction?



## Answer/ Explanation

Answer: b

Explanation: Reason: Here sodium (Na) displaces to form sodium hydroxide.

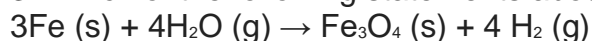
2. Magnesium ribbon is rubbed before burning because it has a coating of

- (a) basic magnesium carbonate
- (b) basic magnesium oxide
- (c) basic magnesium sulphide
- (d) basic magnesium chloride

## Answer

Answer: a

3. Which of the following statements about the given reaction are correct?



- (i) Iron metal is getting oxidised
  - (ii) Water is getting reduced
  - (iii) Water is acting as reducing agent
  - (iv) Water is acting as oxidising agent
- (a) (i), (ii) and (iii)
  - (b) (in) and (iv)
  - (c) (i), (ii) and (iv)
  - (d) (ii) and (iv)

## Answer

Answer: c

4. Which of the following are exothermic processes?

- (i) Reaction of water with quick lime
  - (ii) Dilution of an acid
  - (iii) Evaporation of water
  - (iv) Sublimation of camphor (crystals)
- (a) (i) and (ii)
  - (b) (ii) and (iii)

- (c) (i) and (iv)
- (d) (ii) and (iv)

**Answer/ Explanation**

Answer: a

Explanation: Reason: In both the cases, heat energy is evolved.

5. Oxidation is a process which involves

- (a) addition of oxygen
- (b) addition of hydrogen
- (c) removal of oxygen
- (d) removal of hydrogen

**Answer**

Answer: a