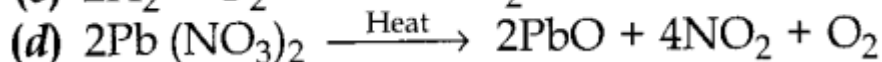
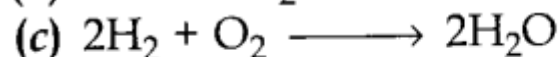
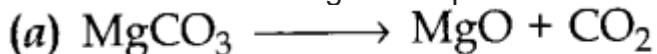


# Chapter 1 Chemical Reactions and Equations

✓ 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

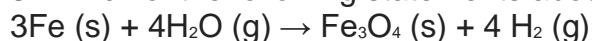
(d) basic magnesium chloride

This is wrong... Do again

## 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