

## CHEMISTRY

## Chemical Reactions &amp; Equations

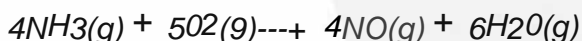
Q1 On rusting iron forms a flaky layer over it which is \_\_\_\_\_ in colour.

- (A) green (B) reddish-brown  
(C) black (D) white

Q2 Copper : Patina : Tarnishing :: Silver : 'X' : 'Y'  
Identify 'X' and 'Y' by understanding the analogy in the same order between copper, patina and tarnishing.

- (A) X: Tarnishing, Y: Patina  
(B) X: Patina, Y: Rusting  
(C) X: Rust, Y: Rusting  
(D) X: Patina, Y: Tarnishing

Q3 The following reaction is an example of a :



- (i) displacement reaction  
(ii) combination reaction  
(iii) redox reaction  
(iv) neutralisation reaction

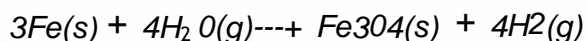
(A) (i) and (iv)

(B) (ii) and (iii)

(C) (i) and (iii)

(D) (iii) and (iv)

Q4 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

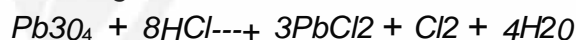
(A) (i), (ii) and (iii)

(B) (iii) and (iv)

(C) (i), (ii) and (iv)

(D) (ii) and (iv)

Q5 Identify the oxidising agent (oxidant) in the following reactions.



(A)  $\text{Pb}_3\text{O}_4$

(B)  $\text{HCl}$

(C)  $\text{PbCl}_2$

(D)  $\text{H}_2\text{O}$

## Answer Key

Q1 (B)

Q2 (D)

Q3 (C)

Q4 (C)

Q5 (A)



## Hints & Solutions

**Q1 Text Solution:**

Try to remember the iron after it gets rusted.

**Video Solution:****Q2 Text Solution:**

The type of layer formed over silver will be different from rust.

**Video Solution:****Q3 Text Solution:**

Check whether there is addition or removal of oxygen from any of the reactants.

**Video Solution:****Q4 Text Solution:**

The substance which oxidises other substances is known as an oxidising agent.

**Video Solution:****Q5 Text Solution:**

Identify the one that is reduced in the reaction.

**Video Solution:**[Android App](#)[iOS App](#)[PW Website](#)