

Science

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(Chapter 2)(Acids, Bases and Salts)
Class - 10

Page 33

Question 1:

What is the common name of the compound CaOCl_2 ?

Answer 1:

The common name of the compound CaOCl_2 is bleaching powder.

Question 2:

Name the substance which on treatment with chlorine yields bleaching powder.

Answer 2:

Calcium hydroxide $[\text{Ca}(\text{OH})_2]$, on treatment with chlorine Cl_2 , yields bleaching powder.

Question 3:

Name the sodium compound which is used for softening hard water.

Answer 3:

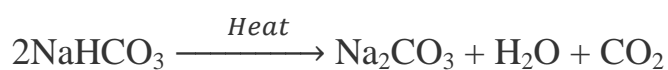
Washing soda ($\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$) is used for softening hard water.

Question 4:

What will happen if a solution of sodium hydrocarbonate is heated? Give the equation of the reaction involved.

Answer 4:

When a solution of sodium hydrocarbonate is heated, sodium carbonate and water are formed with the evolution of carbon dioxide gas.



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Question 5:

Write an equation to show the reaction between Plaster of Paris and water.

Answer 5:

Plaster of Paris is a white powder and on mixing with water, it changes to gypsum giving a hard solid mass.

