

Science

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(Chapter – 4) (Carbon and its Compounds)

(Class – X)

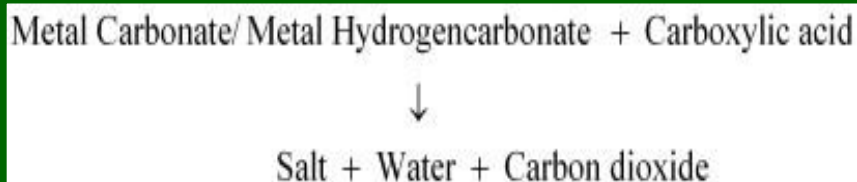
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Question 1:

How would you distinguish experimentally between an alcohol and a carboxylic acid?

Answer 1:

We can distinguish between an alcohol and a carboxylic acid on the basis of their reaction with carbonates and hydrogen carbonates. Acid reacts with carbonate and hydrogen carbonate to evolve CO_2 gas that turns lime water milky.



Alcohols, on the other hand, do not react with carbonates and hydrogen carbonates.

Question 2:

What are oxidising agents?

Answer 2:

Some substances such as alkaline potassium permanganate and acidified potassium dichromate are capable of adding oxygen to others. These are known as oxidising agents.