

Marks
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- Five strips of different metals were immersed in five different containers with concentrated HCl and the following observations were made.
 1. In the container with the strip of Cu, no change was observed.
 2. In the container with the strip of Sn, no change was observed.
 3. In the container with the strip of Fe, a yellow colour slowly emerged after immersion.
 4. From the container with the strip of Zn, gas started to bubble out.
 5. In the container with the strip of Mg, a vigorous reaction was observed and soon the strip disappeared.

Write down the reactions involved, if any occur.

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Explain these experimental observations.

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Explain how cathodic protection can prevent the corrosion of iron.

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