

Practice worksheet for Class 8

Chapter 14:- Chemical effects of electrical current

Q.A.) Fill in the blanks.

1. Distilled water is poor conductor of electricity.
2. Liquids that conduct electricity are solutions of acids, bases and salts.
3. Chromium has shiny appearance.
4. Tin cans are used for storing food.

Q.B.) Answer in one sentence.

Q.1.) Define electroplating.

Answer:- The process of depositing a layer of any desired metal on another material by means of electricity is called electroplating.

Q.2.) Example of bad conductor of electricity.

Answer:- Distilled water and sugar solution.

Q.3.) Why distilled water is poor conductor of electricity?

Answer:- Distilled water is poor conductor because it is free of salts.

Q.4.) Why the bulb glows when the electric current passes through it?

Answer:-Due to heating effect of current, the filament of bulb gets heated to the high temperature and it starts glowing.

Q.C.) What are the chemical effects of the electric current?

Answer:- 1. The passage of an electric current through a conducting solution causes chemical reactions.

2. Due to these, bubbles of a gas may be formed on the electrodes.
3. Deposits of metal may be seen on electrodes.
4. Changes of colour of solution may occur.
5. The reaction would depend on what solution and electrodes are used.

Q.D.) Explain why chromium plating is done on objects?

Answer:-

- 1.) Chromium plating is done on many objects such as car parts, bath taps, kitchen gas burner and many other objects.
- 2.) Chromium has shiny appearance. It does not corrode.
- 3.) It resists scratches.
- 4.) However chromium is expensive and it may not be economical to make the whole object out of chromium.
- 5.) So, the object is made from cheaper metal and only layer is coated with chromium.

Regards,

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