

Name: _____ Date: _____

Chemical Effects of Electric Current

Q1. What is meant by the chemical effect of electric current? Give an example.

Ans. _____

Q2. Which properties of chromium metal make it suitable for electroplating?

Ans. _____

Q3. Name three liquids, which when tested in the manner shown in Figure, may cause the magnetic needle to deflect.

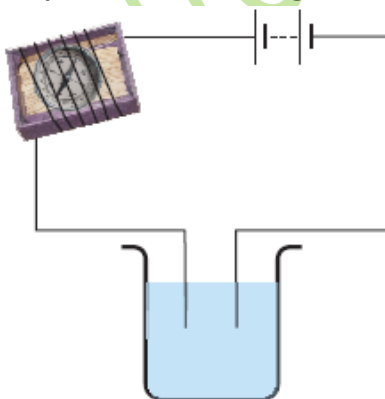


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Ans. _____

Chemical Effects of Electric Current

Q1. What is meant by the chemical effect of electric current? Give an example.

Ans. The passage of an electric current through a conducting liquid causes chemical reactions. The resulting effects are called chemical effects of currents. Example – Deposit of metal formed when electric current is passed through copper sulphate solution (during electroplating).

Q2. Which properties of chromium metal make it suitable for electroplating?

Ans. The properties of chromium metal that make it suitable for electroplating are:

- i. It has a shiny appearance.
- ii. It does not corrode.
- iii. It resists scratches.

Q3. Name three liquids, which when tested in the manner shown in Figure, may cause the magnetic needle to deflect.

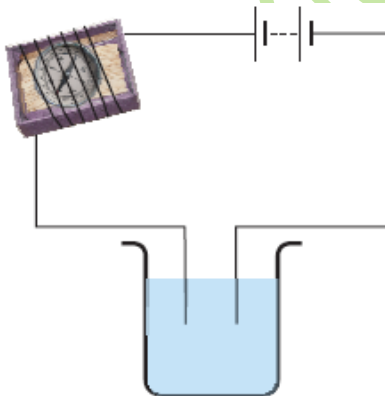


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Ans. Tap water, vinegar and lemon juice are conductors of electricity. Most liquids that conduct electricity are solutions of acids, bases and salts.