

Name: _____ Date: _____

Chemical Effects of Electric Current

Q1. State True (T) or False (F).

- i. A piece of fresh potato does not conduct electricity. ____
- ii. LED glows even when a low electric current passes through it. ____
- iii. The passage of an electric current through a conducting solution causes chemical effect. ____
- iv. Materials such as rubber plastic and wood conduct electricity. ____

Q2. Fill in the blanks.

- i. Most liquids that conduct electricity are solutions of _____, _____ and _____.
- ii. The passage of an electric current through a solution causes _____ effects.
- iii. If you pass current through copper sulphate solution, copper gets deposited on the plate connected to the _____ terminal of the battery.
- iv. The process of depositing a layer of any desired metal on another material by means of electricity is called _____.

Q3. Which metal is electroplated on bathroom fittings?

Ans. _____

Q4. Name any one metal which is purified by using the chemical effect of current (or electrolysis).

Ans. _____

Q5. Do liquids also conduct electricity?

Ans. _____

Chemical Effects of Electric Current

Q1. State True (T) or False (F).

- i. A piece of fresh potato does not conduct electricity. **F**
- ii. LED glows even when a low electric current passes through it. **T**
- iii. The passage of an electric current through a conducting solution causes chemical effect. **T**
- iv. Materials such as rubber plastic and wood conduct electricity. **F**

Q2. Fill in the blanks.

- i. Most liquids that conduct electricity are solutions of **acids**, **bases** and **salts**.
- ii. The passage of an electric current through a solution causes **chemical** effects.
- iii. If you pass current through copper sulphate solution, copper gets deposited on the plate connected to the **negative** terminal of the battery.
- iv. The process of depositing a layer of any desired metal on another material by means of electricity is called **electroplating**.

Q3. Which metal is electroplated on bathroom fittings?

Ans. Chromium is usually electroplated on bathroom fittings.

Q4. Name any one metal which is purified by using the chemical effect of current (or electrolysis).

Ans. Copper

Q5. Do liquids also conduct electricity?

Ans. No, some liquids are good conductors of electricity and some are poor conductors.