

Name: _____ Date: _____

Chemical Effects of Electric Current

Q1. Give one example of the chemical effect of electric current.

Ans. _____

Q2. How is water decomposed into hydrogen and oxygen?

Ans. _____

Q3. Name some liquids which conduct electricity.

Ans. _____

Q4. Name some liquids which do not conduct electricity.

Ans. _____

Q5. State whether vinegar and lemon juice will conduct electricity or not.

Ans. _____

Q6. What is electroplating?

Ans. _____

Q7. What happens to a compass needle kept nearby when current flows in a wire?

Ans. _____

Chemical Effects of Electric Current

Q1. Give one example of the chemical effect of electric current.

Ans. Bubbles of gases are formed when an electric current is passed through acidified water.

Q2. How is water decomposed into hydrogen and oxygen?

Ans. Water is decomposed into hydrogen and oxygen by passing electric current through it.

Q3. Name some liquids which conduct electricity.

Ans. Liquids such as vinegar, lemon juice, tap water, rain water and sea water conduct electricity.

Q4. Name some liquids which do not conduct electricity.

Ans. Liquids such as water, milk, vegetable oil and honey do not conduct electricity.

Q5. State whether vinegar and lemon juice will conduct electricity or not.

Ans. Though vinegar and lemon juice conduct electricity but they are weak conductors of electricity.

Q6. What is electroplating?

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

Q7. What happens to a compass needle kept nearby when current flows in a wire?

Ans. Even if the current is small, the deflection of the magnetic needle can be seen.