

Name: _____ Date: _____

Chemical Effects of Electric Current

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Ans. _____

Q2. Prepare a list of objects around you that are electroplated.

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Q1. Paheli had heard that rainwater is as good as distilled water. So she collected some rainwater in a clean glass tumbler and tested it using a tester. To her surprise she found that the compass needle showed deflection. What could be the reasons?

Ans. Rainwater is said to be pure water. But when rainwater falls to the earth through the atmosphere, it dissolves acidic gases such as carbon dioxide, sulphur dioxide and nitrogen oxides to form acids such as carbonic acid, sulphuric acid and nitric acid. Due to presence of acids in it, rainwater becomes a conductor of electricity.

Q2. Prepare a list of objects around you that are electroplated.

Ans. Examples of electroplating

- i. Chromium plating is done on many objects such as car parts, bath taps, kitchen gas burners, bicycle handlebars, wheel rims and many others.
- ii. Jewellery makers electroplate silver and gold on less expensive metals.
- iii. Tin cans, used for storing food, are made by electroplating tin onto iron.
- iv. A coating of zinc is deposited on iron to protect it from corrosion and formation of rust.