

Chemical Effects of Electric Current

Q1: give examples of some materials which are good conductors of electricity.

Answer: Copper, aluminium, etc.

Q2: Give examples of some materials which are bad conductors of electricity.

Answer: Wood, rubber, plastics etc.

Q3: Do lemon juice or vinegar conduct electricity?

Answer: yes

Q4: Out of these which one is good conductor a copper wire or a wooden board?

Answer: copper wire

Q5: Dissolve some salt in distilled water, then the solution will be good conductor of electricity or bad conductor?

Answer: good conductor

Q6: Why distilled water is a poor conductor of electricity?

Answer: because distilled water is free of salts.

Q7: Why electroplating is done?

Answer: Electroplating is used for coating of metal objects with a thin layer of different metal.

Q8: How can we protect iron from corrosion?

Answer: by electroplating

Q9: Which is more reactive tin or iron?

Answer: Iron

Q10: Most liquids which conduct electricity are solutions of acids, \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_.

Answer: Bases and salts.

Q11: The passage of an electric current through a solution causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ effect.

Answer: Chemical

Q12: Out of these which is good conductor of electricity

copper

wood

distilled water

None of these

Answer: copper

Q13: Liquid conducts electricity

Answer: yes

Q14: Why plastics, wood and rubber do not conduct electricity?

Answer: Because they do not allow electric current to pass through it.

Q15: Why is it dangerous to touch an electrical appliance with wet hands?

Answer: because you may get an electric shock.

Q16: give the full form of LED?

Answer: Light emitting diode.

Q17: What is a salt solution?

Answer: dissolved in distilled water forms salt solution.

Q18: The passage of an electric current through a conducting solution causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer: Chemical

Q19: In which process one metal is coated over another metal?

Answer: electroplating

Q20: Why chromium plating is done on car parts?

Answer: to protect them from corrosion.

Q21: Give examples of some objects around you that are electroplated.

Answer: Kitchen gas burner, bath taps, bicycle handle bars etc.

Q22: if we add small amount of dilute HCL acid to distilled water, the resulting solution will be a good conductor or poor conductor?

Answer: yes it will be a good conductor.

Q23: If we add small amount of sugar to distilled water, the resulting solution will be a good conductor or poor conductor?

Answer: Poor conductor

Q24: If we add small amount of caustic soda to distilled water, the resulting solution will be a good conductor or poor conductor?

Answer: Good conductor

Q25: The path through which an electric current flows is called

Answer: Electric circuit.