CLASS-VIII
SCIENCE
CHAPTER-14

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## **Very Short Answer Questions**

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★What are good conductors?

Answer:

The substances that conduct electricity through them are called good conductors.

Question 2.

What are insulators or poor conductors?

Answer:

The substances that do not conduct electricity through them are poor conductors or insulators.

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Question 3.

Give four examples of conductors.

Answer:

Copper, iron, aluminium and brass.

Question 4.

Give four examples of insulators.

Answer:

Air, wood, rubber and plastic.

Question 5.

★ Name two metal objects which have a coating of another metal.

Answer:

Handlebars of bicycles, bathroom taps.

Question 6.

★What do we get on electrolysis of acidified water?

Answer:

Hydrogen and oxygen gas.

Is air a bad or good conductor?

Answer:

A bad conductor.

Question 8.

Which metal is plated on handle bars of cycles and rim of wheels?

Answer:

Chromium

Question 9.

What is the full form of LED?

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Answer:
Light Emitting Diode.
                                                                                     How do we check the electric current?
Answer:
 We check the electric current by using a tester.
Question 11.
 Which part of an atom is responsible for flow of current?
 Answer:
 Electron
 Question 12.
Why do most liquids conduct electricity?
☆Answer:
Due to the presence of ions in them, most liquids conduct electricity.
♦ Question 13.
★An LED is more efficient device than a bulb. Why?
🌣 LED is more efficient because it can glow even when a weak or less current flows through it.

☆Do lemon juice or vinegar conduct electricity?

Answer:
Yes, they conduct electricity.

    Question 15.
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How is conductivity of liquids tested?
 Answer:
By using a tester.
Question 16.
 Is water from taps, handpumps, wells and ponds a good conductor?
Yes, water from these sources is a good conductor.
 Question 17.
What makes distilled water a good conductor?
☆Salts when mixed with distilled water make it a good conductor.
Question 18.

★Why is a layer of zinc coated over iron?

Answer:
To prevent iron from corrosion and rust.
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\*\*\*\*\*\*\*\*\*\*\* Will the solution of sugar in distilled water conduct electricity? No Question 20. Why is tin electroplated on iron to make cans used for storing food? Answer: Tin is less reactive than iron. Tin coating prevents food from coming in contact with iron and thus prevents it from getting spoiled or corroded. Question 21. ☆ Why we ifse chromium electroplating on taps and bars of bicycle instead of silver and gold? Answer: Silver and gold are very expensive comparatively to chromium. What type of effect of current do the deposits of metal on electrodes show? Answer: Chemical effect Question 23. What effect of current does electroplating show? Answer: Chemical effect Question 24. Which effect of current causes the bulb to glow? Answer: Question 25. Which part of the bulb glows? **☆**Answer: **☆** Filament Question 26. ☆ Name the three effects of electric current. **☆**Answer: Heating, magnetic and chemical effect. ★ How can the magnetic effect of current be checked? Answer: By using magnetic compass. \*\*\*\*\*

Question 28.

What do we see when the compass needle is brought near a wire in which current is flowing?

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Answer

The needle deflects.

Question 29.

What is electroplating?

Answer:

Deposition of thin layer of a metal over other metal by electrolysis is called electroplating.

Question 30.

Define good conductors and poor conductors or insulators.

Answer:

☆The materials that conduct electricity through them are called good conductors whereas those ☆ that do not conduct electricity are called poor conductors or insulators. For example, copper, ☆ brass, aluminium, iron, etc., are conductors whereas rubber, plastic, wood, air, etc., are insulators

Question 31.

How is the conductivity of liquids tested?

Answer:

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The free ends of the tester is dipped in the liquid. If the bulb glows, the liquid is said to be a conductor. If not, it is an insulator.

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