Fill in the Blanks

Question 1.  
Gases used in electric bulbs are …………….. gases.

Answer

Answer: Inert

Question 2.  
A cell converts …………….. energy into …………….. energy.

Answer

Question 3.  
The combination of two or more cells in a specific order is called a ……………..

Answer

Answer: battery

Question 4.  
A …………….. is a device which makes or breaks the circuit.

Answer

Question 5.  
A closed path made for the flow of electric current is called ……………..

Answer

Answer: circuit

Question 6.  
Our body is a good …………….. of electricity.

Answer

Question 7.  
Substances through which an electric current can pass are called ……………..

Answer

Answer: conductors

Question 8.  
Substances through which an electric current cannot pass are called ……………..

Answer

Answer: insulators

Question 9.  
We use a …………….. to test the conductivity of a material, i.e., whether it is a conductor or an insulator.

Answer

Answer: conduction tester

Question 10.  
Electrical charges that build up on the surface of object being rubbed is called …………….. electricity.

Answer

Answer: static

Question 11.  
There is a thin wire inside the bulb which emits light is called …………….. of the bulb.

Answer

Answer: filament

Question 12.  
…………….. and …………….. are used for covering electrical wires, plug tops, switches and other electrical appliances.

Answer

Answer: Rubber; plastics

Question 13.  
Air is ……………..

Answer

Answer: an insulator

Question 14.  
An electric current flows from …………….. terminal of the electric cell to its …………….. terminal.

Answer

Answer: positive, negative

Question 15.  
A bulb in which the …………….. is broken is called a …………….. bulb.

Answer

Answer: filament; fused

III. True or False

Question 1.  
Electricity is a form of energy.

Answer

Answer: True

Question 2.  
In an electric cell, the side with the metal cap is the negative terminal.

Answer

Answer: False

Question 3.  
The electric cell produces electric current.

Answer

Answer: True

Question 4.  
Gases filled inside the bulb are nitrogen, argon, krypton, etc.

Answer

Answer: True

Question 5.  
Electricity can pass through thermo col.

Answer

Answer: False

Question 6.  
A fused bulb does not glow.

Answer

Answer: True

Question 7.  
When we rub an object with something, it acquires charge.

Answer

Answer: True

Question 8.  
Our body is a bad conductor of electricity.

Answer

Answer: False

Question 9.  
Both electric cells and the bulbs have one terminal each.

Answer

Answer: False

Question 10.  
In an open circuit, electricity cannot flow.

Answer

Answer: True

Question 11.  
Electric switches, plugs, sockets, etc., are made of conductors.

Answer

Answer: False

Question 12.  
Light bulb was invented by Thomas Alva Edison.

Answer

Answer: True

Question 13.  
In a circuit, electric current flows from positive terminal to negative terminal.

Answer

Answer: True

Question 14.  
Air is a bad conductor of electricity.

Answer

Answer: True

IV. Match the following

|  |  |
| --- | --- |
| Column I | Column II |
| 1. Switch | (a) Electric current flows in |
| 2. Bulb | (b) A device which produces electricity |
| 3. Filament | (c) A combination of cells |
| 4. Circuit | (d) Does not allow electricity to pass through it |
| 5. Insulator | (e) Allows electricity to pass through it |
| 6. Conductor | (f) Either breaks or completes a circuit |
| 7. Battery | (g) Converts electricity into light |
| 8. Cell | (h) Glows when electricity passes in it |
| 9. Fused bulb | (i) Is a path of electricity |
| 10. Closed circuit | (j) Does not light up |

Answer

Answer:

|  |  |
| --- | --- |
| Column I | Column II |
| 1. Switch | (f) Either breaks or completes a circuit |
| 2. Bulb | (g) Converts electricity into light |
| 3. Filament | (h) Glows when electricity passes in it |
| 4. Circuit | (i) Is a path of electricity |
| 5. Insulator | (d) Does not allow electricity to pass through it |
| 6. Conductor | (e) Allows electricity to pass through it |
| 7. Battery | (c) A combination of cells |
| 8. Cell | (b) A device which produces electricity |
| 9. Fused bulb | (j) Does not light up |
| 10. Closed circuit | (a) Electric current flows in |