

Mount Litera Zee School Roorkee
Grade –VI
Subject-Science worksheet

Date-15.02.21

Chapter-Electricity and circuits

Question 1

State True or False

- (a) Conductor allows the current to pass through it.
- (b) Insulator does not allow the current to pass through it.
- (c) Electric cell metal cap is a positive terminal.
- (d) Electric cell metal disc is a negative terminal.
- (e) A electric bulb with broken filament is called a fused bulb.
- (f) An electric cell has four terminals.
- (g) If the filament of the bulb is broken, the bulb will not glow.
- (h) Air is good conductor of electricity.
- (i) Thermocol is an insulator.
- (j) When the positive of bulb is connected with positive of the cell and negative of bulb is connected with negative of cell, the bulb glows.
- (k) When the positive of bulb is connected with negative cell and negative of bulb is connected with positive of cell, the bulb does not glow.

Question 2

Match the column

Column A	Column B
Covering of switches, appliances, plugs socket is made of insulator	It is a simple device that either breaks the circuit or completes it.
When the terminals of the bulb are connected with that of the electric cell by wires	because it does not allow current to pass through them so we do not get shock if we touch them
electric switch	The current passes through the filament of the bulb. This makes the bulb glow.
An electrician use rubber gloves while repairing an electric switch at your home	is a device which converts chemical energy into electric energy.
electric cell	Because it is an insulator and it prevent electric shock

Question 3

What will happen if you join the two terminals of a cell without connecting them through a switch or a bulb?

- (a) There will be no impact to cell
- (b) The chemicals in the electric cell get used up slowly and cell will produce electricity longer

- (c) The chemicals in the electric cell get used up very fast and the cell will no longer produce electric current. It will stop working.
- (d) None of these

Question 4

Which is of these are insulators?

- (a) Seawater
- (b) Distilled water
- (c) Tap water
- (d) None of these

Question 5

A simple device that is used to either break or complete the electric circuit?

- (a) Switch
- (b) Terminal
- (c) Current
- (d) Conductor

Question 6

What is false of electric cell?

- (a) Chemical energy is converted into electrical energy
- (b) It has a neutral terminal
- (c) It has a Positive Terminal
- (d) It has a Negative Terminal

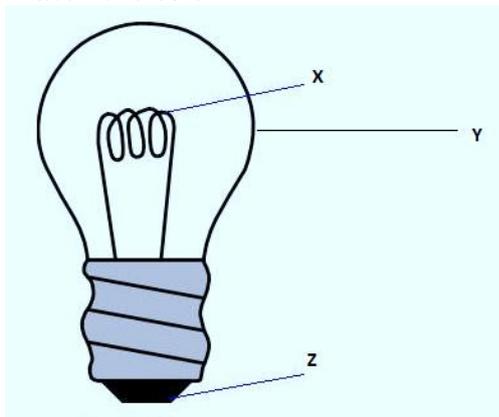
Question 7

Which one of the following statement is false?

- (a) Eraser is a bad conductor of electricity.
- (b) Metals are good conductor of electricity.
- (c) Our body is a good conductor of electricity.
- (d) Plastic is a good conductor of electricity.

Question 8

Match the column

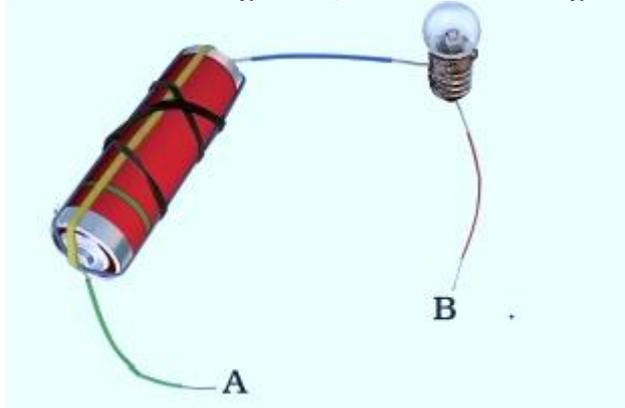


(p)X	(a)Terminals
(q)Y	(b)Filaments
(r)Z	(c)Electric bulb

- (a) P → A, Q → B, R → C
- (b) P → B, Q → C, R → A
- (c) P → C, Q → B, R → A
- (d) None of these

Question 9

In the below arrangement, the bulb will not glow, if it is connected to



- (a) copper wire
- (b) metal clip
- (c) steel spoon
- (d) Plastic

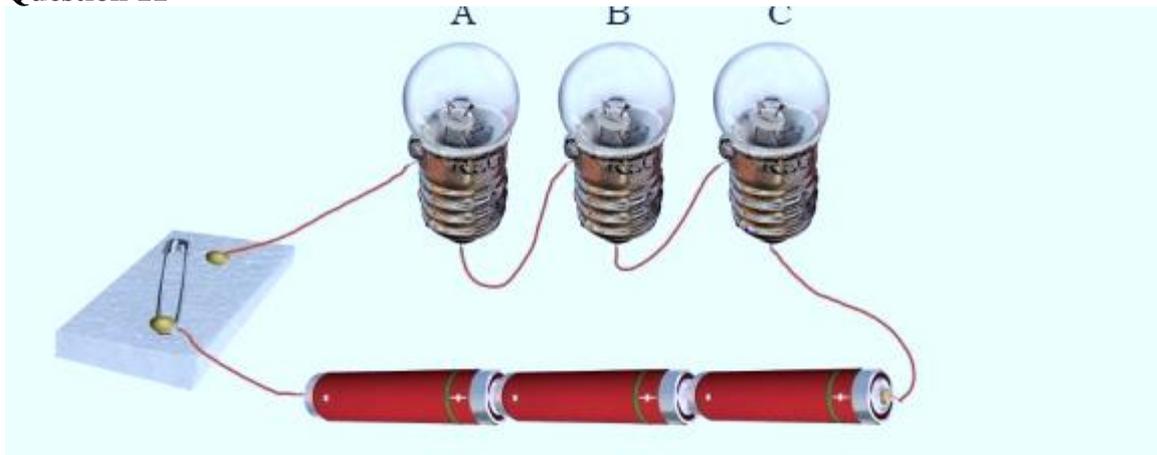
Question 10



Which of these is true

- (a) If the first bulb filament is broken, the second bulb will still glow
- (b) If the second bulb filament is broken, the first bulb will still glow
- (c) Both the bulb will glow even if one of the bulb filament is broken
- (d) Neither of the bulb will glow

Question 11



In the above diagram, the switch is moved to On position

- (a) Bulb A will glow first
- (b) Bulb B will glow first
- (c) Bulb C will be glow first
- (d) All the bulb will glow together