

Board – ICSE

Class – 8th

Topic – Static Electricity

Tick the most appropriate answer:-

- When an ebonite rod is rubbed with fur, the charge acquired by the fur is:
(a) Negative (b) Positive
(c) Both positive and negative (d) None of these
- When a negatively charged body is brought near a suspended positively charged ball, the ball gets:
(a) Attracted (b) Repelled
(c) Stay at same place (d) None of these
- Aluminum metal is a:
(a) Good conductor of electricity (b) Magnetic substance
(c) Bad conductor of electricity (d) Bad conductor of heat
- A positively charged body has:
(a) Excess of electrons (b) Deficiency of electrons
(c) No change in number of electrons (d) None of these
- When an uncharged conductor gets electrically charged when brought near a charged body the process is called
(a) Conduction (b) Convection
(c) Induction (d) None of these
- When a glass rod is rubbed with silk, both glass rod and silk :
(a) Acquire equal and similar charges (b) Acquire equal and opposite charges
(c) Acquire unequal and similar charges (d) Acquire unequal and opposite charges

Statements given below are incorrect. Write correct statements:-

- Glass wool is good conductor of electricity.
- Positive electrification is due to the excess of electrons.
- When silk is rubbed with glass, the silk gets positively charged.
- Similar charges attract each other.
- When ebonite rod is rubbed with wool, they get oppositely charged due to induction.
- Lightning conductor always develops the similar charges as is the charge in the clouds.
- A gold leaf electroscope can be charged by conduction only.
- The electrons flow from a positively charged body to negatively charged body when connected with a copper wire.
- The fur gets negatively charged because of deficiency of electrons.
- Bad conductors have excess of free electrons.
- Similar charges attract each other and opposite charges repel each other.
- An uncharged electroscope can tell us the nature of charge on a body.
- Lightning is caused due to discharge of similar charged clouds.
- Lightning do not strikes at high rise buildings.
- An insulator allows readily an electric current to pass through it.