

Hots (Higher Order Thinking Skills)

Q. 1. If the metal clip used in the electroscope is replaced by an ebonite rod and a charged body is brought in contact with it, will there be any effect on the aluminium strips? Explain. [NCERT Exemplar]

Ans. The aluminium strips will not show any repulsion. The charged body will not transfer any charge to the ebonite rod as ebonite rod is an insulator. As a result there will be no charge on the aluminium strips and no repulsion will occur.

Q. 2. What would happen if two balloons rubbed with wool are brought together?

Ans. The two balloons will repel each other because when they are rubbed with wool, negative charges move from wool to balloons. Both balloons become negatively charged and therefore repel each other.