

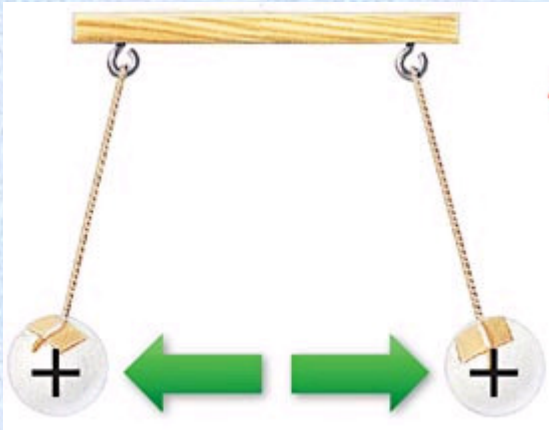
Unit 6 Lessons 1

1. static electricity ~ a stationary electric charge caused by the imbalance of positive and negative charges
2. induction ~ the rearrangement of electric charges in an object caused by the influence of a nearby charged object
3. conduction ~ the transfer of electrons between two charged items through direct contact
4. electric discharge ~ the removal of a charge from a charged object

Types of Charges

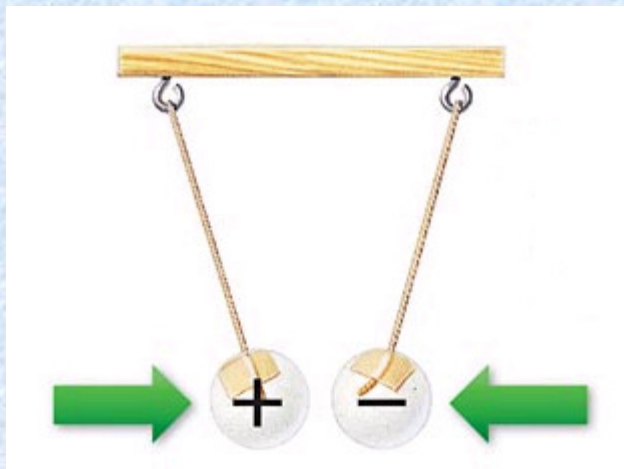
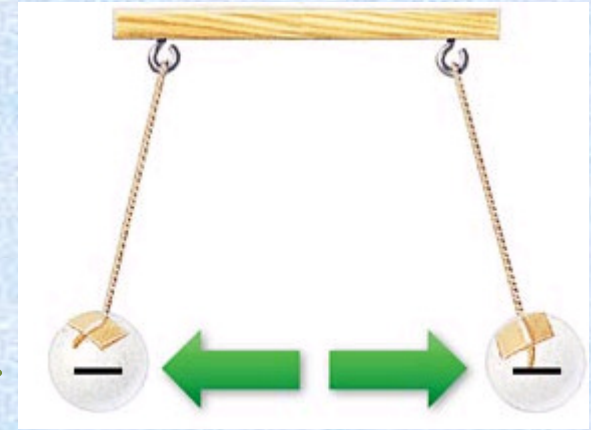
There are two different types of charges:

Positive Charges
and
Negative Charges



LIKE CHARGES

REPEL

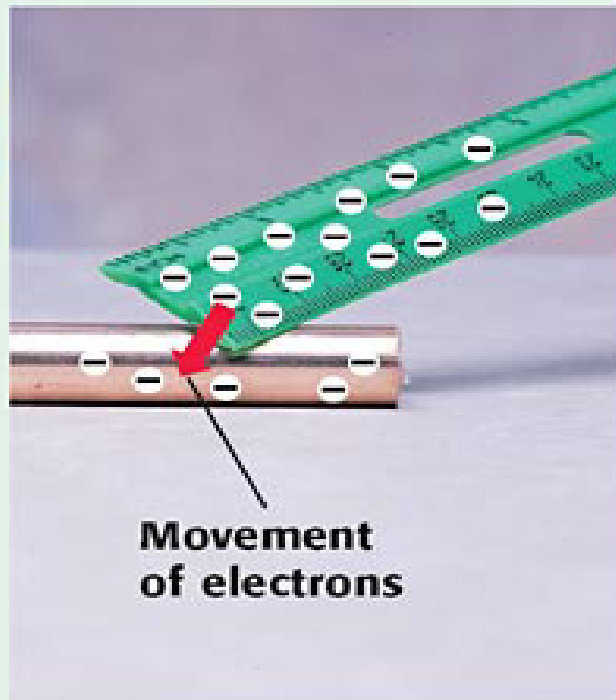


OPPOSITE CHARGES

ATTRACT

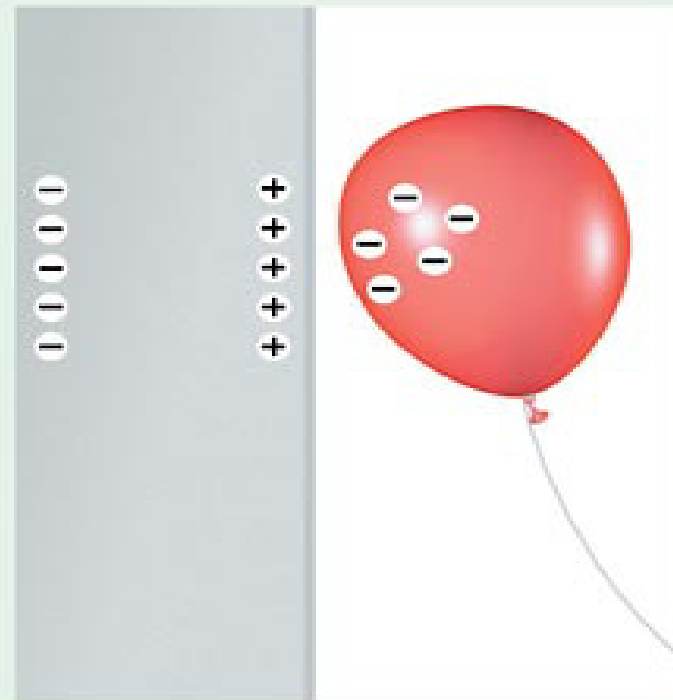
Unit 6 Lessons 1

Conduction



When a negatively charged plastic ruler touches an uncharged metal rod, the electrons in the ruler travel to the rod. The rod becomes negatively charged by conduction.

Induction



A negatively charged balloon makes a small section of a metal beam have a positive charge through induction. Electrons in the metal are repelled by and move away from the balloon.

Unit 6 Lessons 2

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