

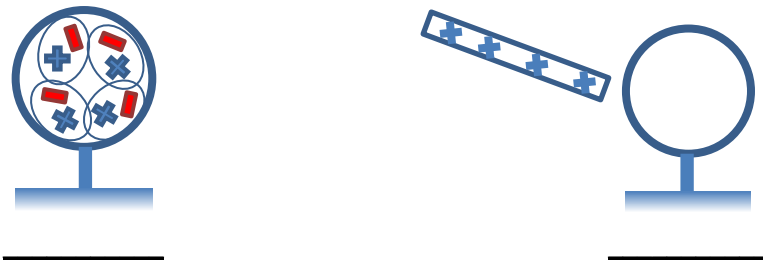
CONCEPT: CHARGING OBJECTS

- Electricity: The _____ of electrons & electric charge.
- Materials come in two types: _____ and _____
 - Conductors (**ALLOW** | **DON'T ALLOW**) electrons/charges to move (e.g. metals)
 - Insulators (**ALLOW** | **DON'T ALLOW**) electrons/charges to move (e.g. plastics, rubber)
- Rubbing objects together strips electrons from one and gives to the other
 - Fur & plastic rod = rod has — charge - Fur & glass rod = rod has + charge

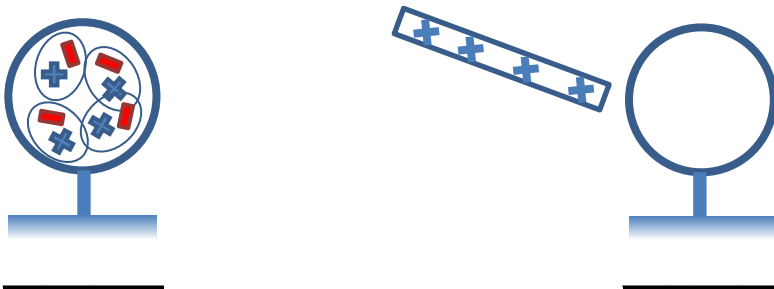
● Like charges (**ATTRACT** | **REPEL**) and unlike charges (**ATTRACT** | **REPEL**).

- POLARIZATION = separation of charges → NO NET CHARGE

- In CONDUCTORS:



- In INSULATORS:



- CONDUCTION = transfer of charges through physical contact → NET CHARGE

