## Cheatography

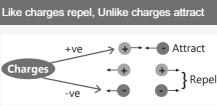
#### Lesson 19.1 - Electric Charge Cheat Sheet by mohadsam96 via cheatography.com/162717/cs/34644/

## Types of Charging Charging by Friction Charging by Conduction Charging by Induction Charging by Polarization Charging by Friction GLASS ROD +ve OOO Charges SILK CLOTH -1/0 the transfer of electrons from one uncharged object to another by rubbing the two objects together. (Like hair and balloon) Charging by Conduction the transfer of electrons from one object to another by direct contact. (Like when you rub your feet on the carpet, but the charges move to your hands) Charging by Induction Additivity of Charge the transfer of electrons from charged object without touching the object itself (indirect). (Like When a computer monitor or television screen is turned on it begins to build up a charge) Charging by Polarization individual charges Coulomb's Law

All the atoms or molecules near the neutral material become electrically polarized by rearranging when a charged object is

## Atom: smallest unit of matter

# e c



#### Conservation of Charge



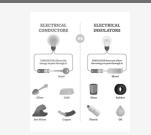
which means charge can neither be created nor be destroyed but can be transferred from one body to another

#### Quantization of Charge

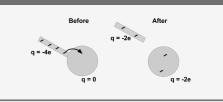
which means that charge is a quantized quantity and is expressed as integral multiples of the basic unit of charge

which means that if there are n number of charges present inside, The total charge present will be the algebraic sum of the

### Materials Connectivity

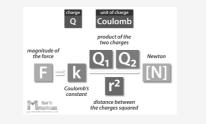


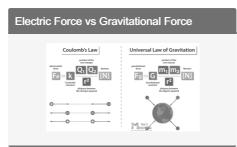
#### How does an object get negatively charged?



#### How does an object get positively charged?









By mohadsam96

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