



Mini Lecture

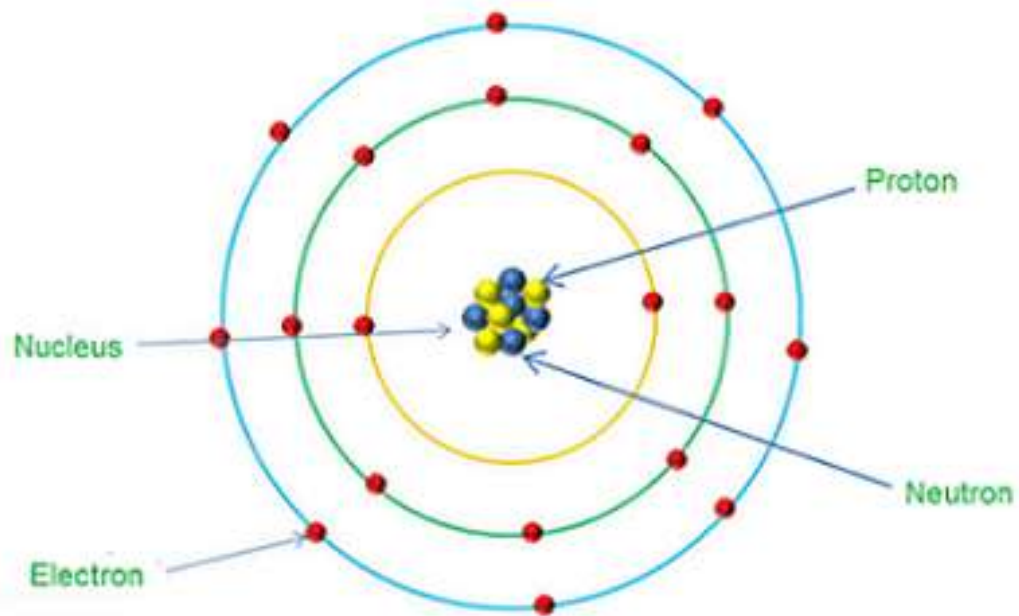
Electricity & Circuits



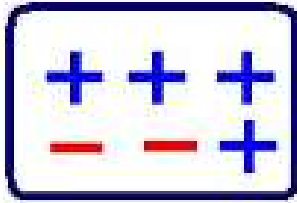
Protons- Positive

Electrons- Negative

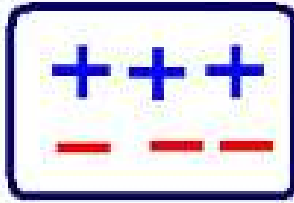
Neutrons- Neutral (no charge)



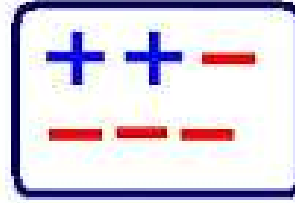
Charged Objects: More or less electrons



*positively
charged
object*



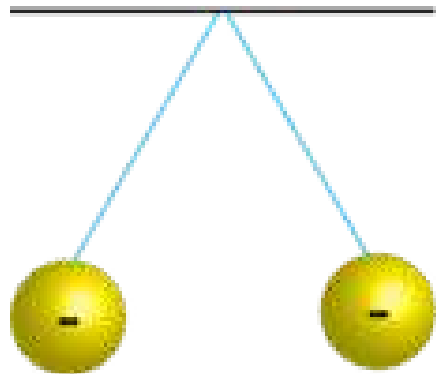
*neutral
object*



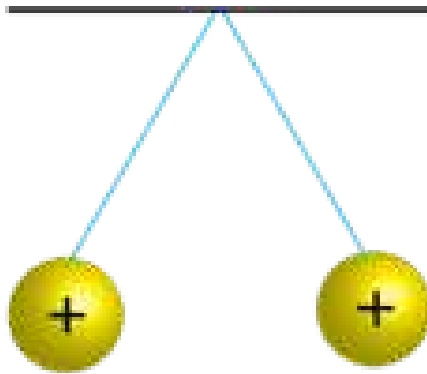
*negatively
charged
object*



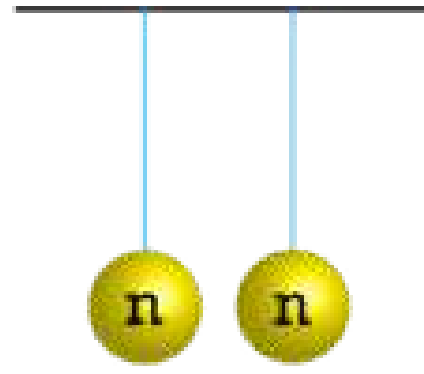
Laws of Attraction



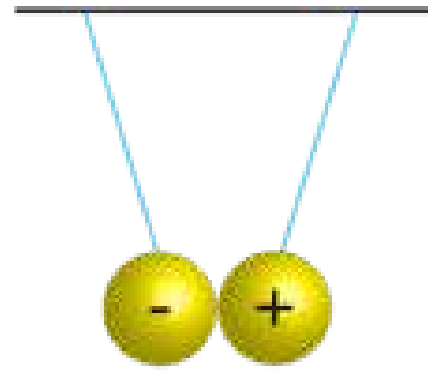
Repulsion



Repulsion



No Attraction
No Repulsion



Attraction

How do I “charge” something?

Charging by Friction- Transfer of charge due to rubbing two materials together (fur and balloon)

Charging by Conduction- Electrons are transferred from one object to another by touching

Charging by Induction- Charge by bringing an object near another





Insulator

Conductor

Wood



Toothpick



Cardboard Strips



Rubber Band



Q-tip



Clothespin



Pencil



Aluminium



Jar Lid



Nickel



Nail



Key