

Electricity: flow or movements of  $e^-$   
[ $\ominus$  charged sub-atomic particles]

Charge: more or less  $e^-$  than protons  
 $\ominus$   $\oplus$

Neutral: same # of protons = electrons

Charged objects [made of atoms] attract

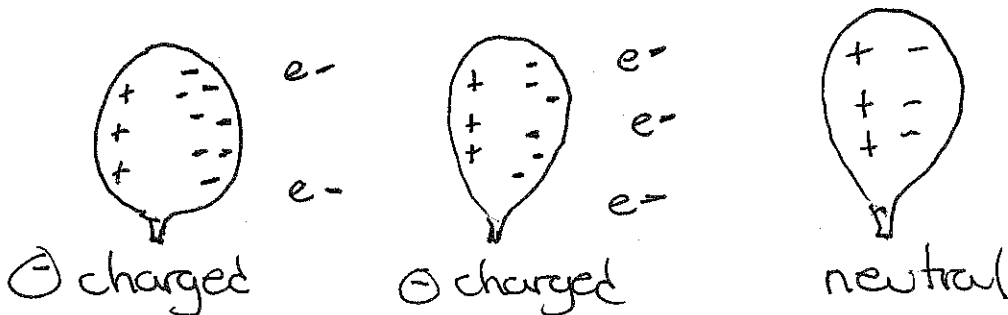
- neutral objects
- or
- oppositely charged other objects

Opposites  
Attract ~~Attract~~  
 $\begin{matrix} + & - \\ \rightarrow & \leftarrow \end{matrix}$

Like charges  
Repel  $\begin{matrix} + & + \\ \leftarrow & \rightarrow \end{matrix}$

Electric Discharge: ~~when~~ when static (not moving) electricity leaves an object: slow or fast  
balloon  $\swarrow$  lightning  $\searrow$

Charged Balloon slowly loses its charge to the earth



# Thunder and lightning !!

H<sub>2</sub>O and Ice collide and rub, generating a ~~an~~ static electric charge  $\ominus$

