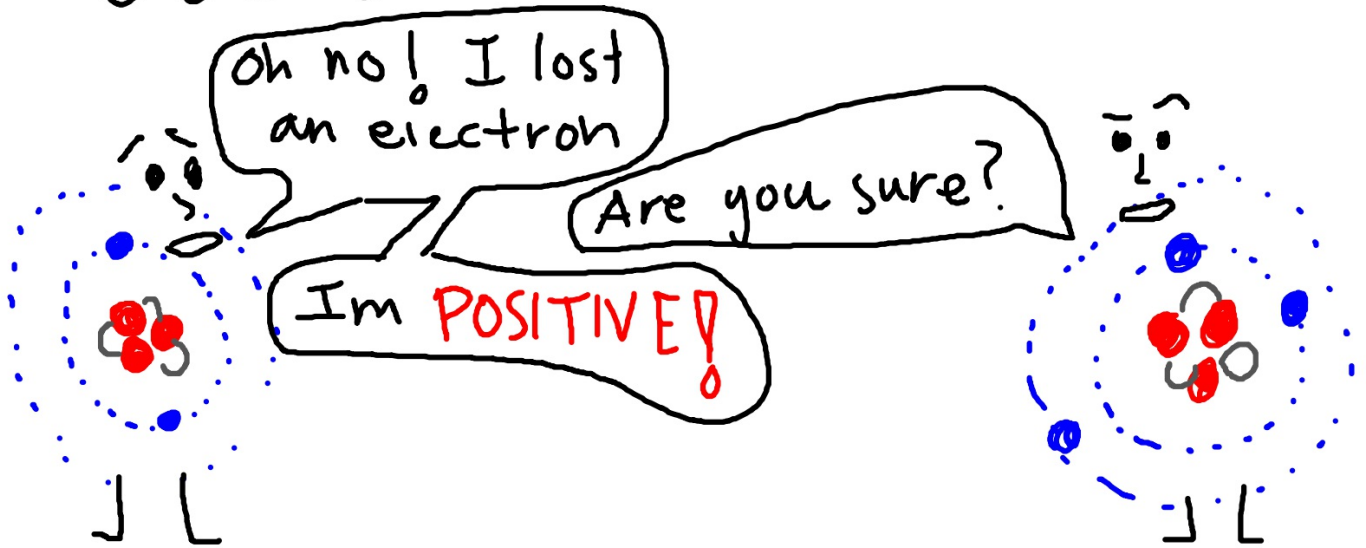


Bellwork 5/15

a negatively charged object is brought near a neutral object. Do they attract, repel, or have no effect on each other?

# Pun of the Day



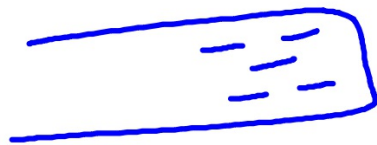
## Notes

Conductor - objects that allow electrons to move freely

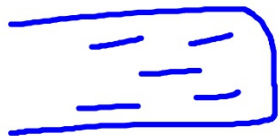
Insulator - objects that have little to no movement of electrons.

Polarization - when the electrons in the atoms of an object move to line up on one side

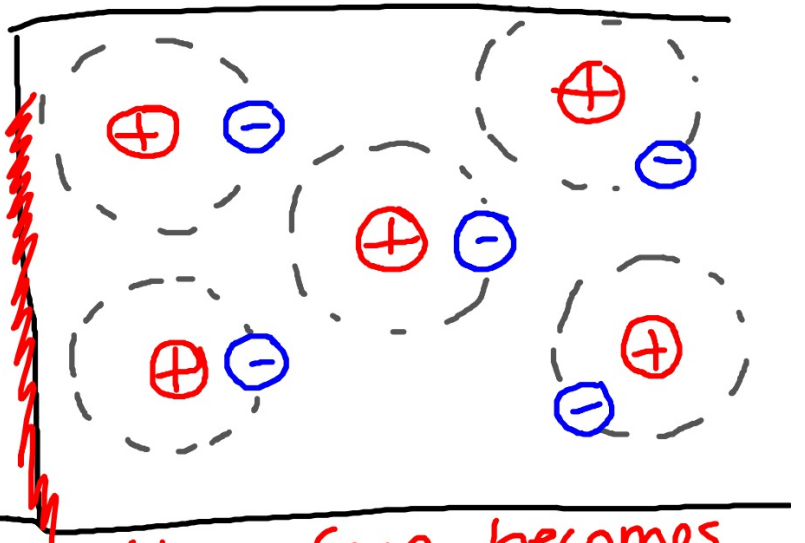
A negatively charged object is brought near a Neutral Insulator (Draw the atoms in the insulator).



Neutral  
insulator

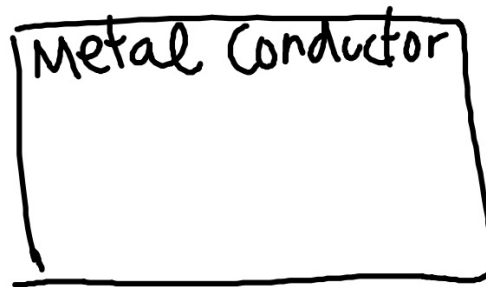
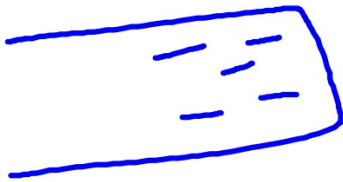


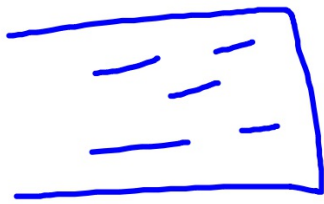
attractive  
Force



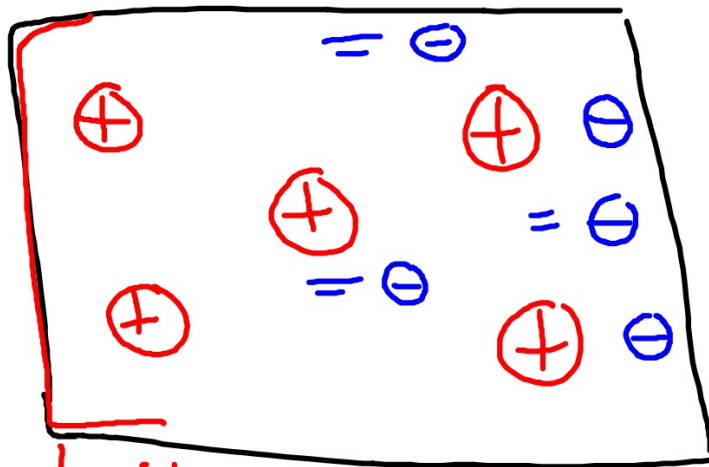
Left surface becomes  
positive

A negatively charged object  
is brought near a neutral  
Conductor





Attractive  
force

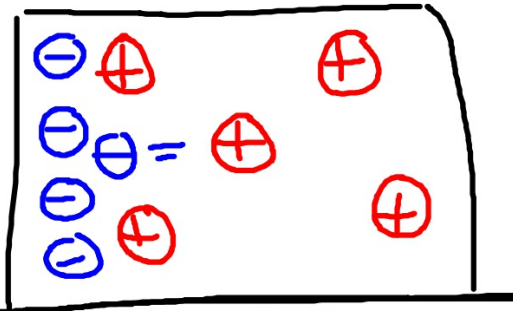
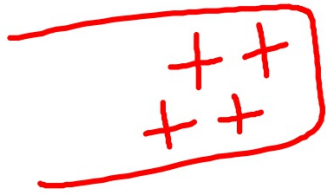


Left surface becomes  
positively charged

A positively charged object is brought near a neutral conductor.



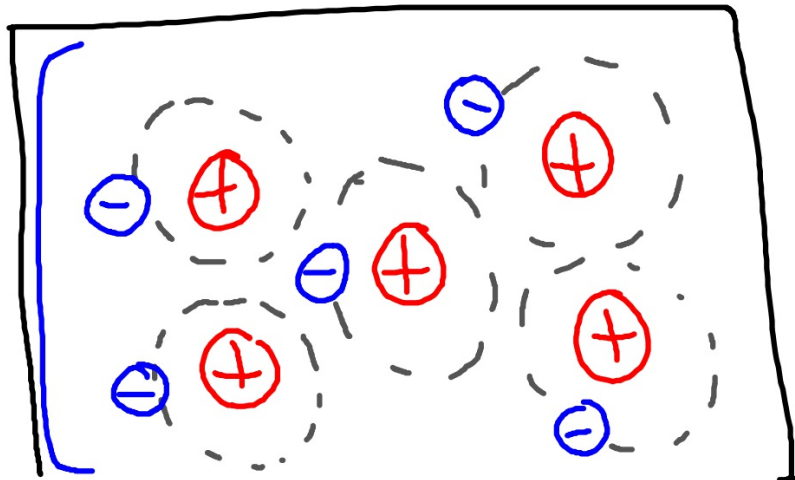
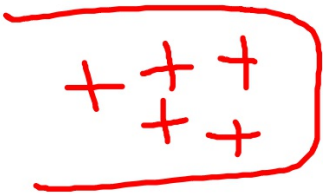
Attractive  
force



left side becomes  
negatively charged

A positive charge is brought near a neutral insulator

Attractive  
force

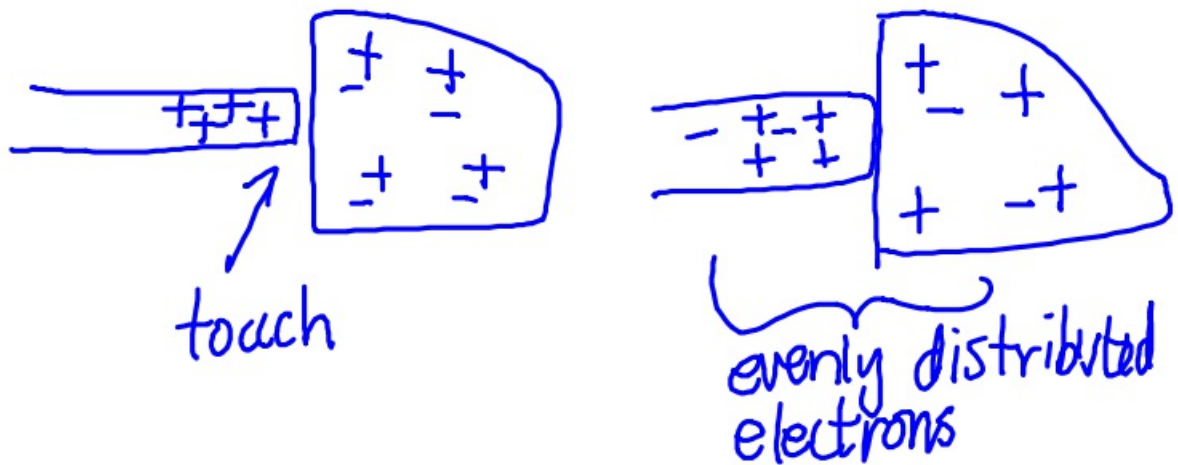


left side becomes  
negative

True or False?

Neutral objects are always attracted to charged objects.

Charging by Conduction: an object becomes charged when electrons flow through a conductor.



Charging by Friction: when electrons transfer from one object to another when they are rubbed together

