

## Methods of Electrostatic Charging

### **Charging by Friction**

- When two objects rub together, the force of friction can \_\_\_\_\_ electrons from one object and cause them to \_\_\_\_\_ to the other object
- As one object \_\_\_\_\_ electrons, the other object \_\_\_\_\_ them
- The result is one object becomes \_\_\_\_\_ charged and the other object becomes \_\_\_\_\_ charged
- Important to note that new electric charges are \_\_\_\_\_ being \_\_\_\_\_, the electrons are just being \_\_\_\_\_

### **Charging by Contact**

- Occurs when electrons \_\_\_\_\_ from a \_\_\_\_\_ object to a \_\_\_\_\_ object that it touches
- The \_\_\_\_\_ object will \_\_\_\_\_ the \_\_\_\_\_ type of charge as the object that touched it

## Charging by Induction

- Occurs when electrons \_\_\_\_\_ within a neutral substance due to the \_\_\_\_\_ of a charged object (no contact between charged object and neutral object)
- \_\_\_\_\_ the neutral object provides a \_\_\_\_\_ for charges to travel to or from the ground
- \_\_\_\_\_ the ground will cause the neutral object to have the \_\_\_\_\_ charge as the charged object