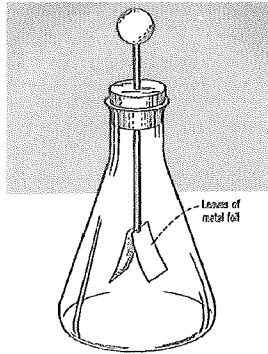


**Physics 12**  
**Section 16-4**  
**Induced Charge and the Electroscope**

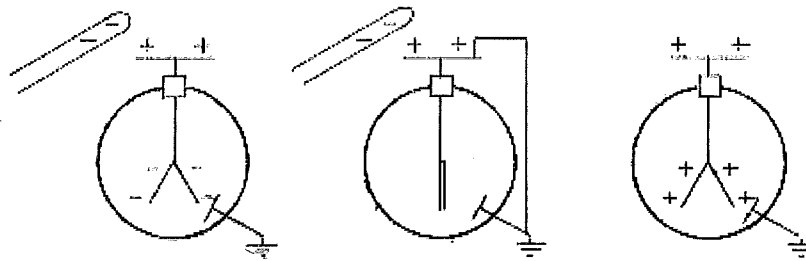
1. **An electroscope is a device used to detect static charge.**

The Electroscope Detects Electric Charge



2. **The metal foil leaves more apart in the presence of a static charge. The ball and connecting shaft are made of a conducting material. The case is an insulator.**

3. **Charging by induction:**



4. **Charging by conduction:**

