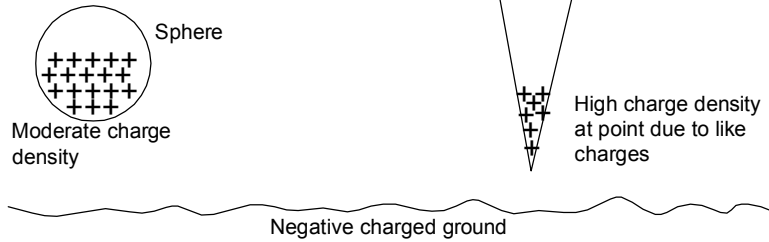
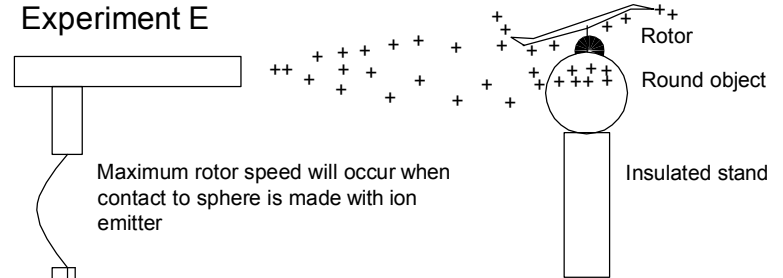


Fig 22-10 Experiments

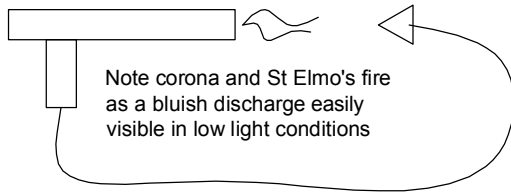
Experiment A



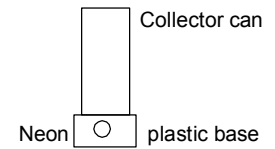
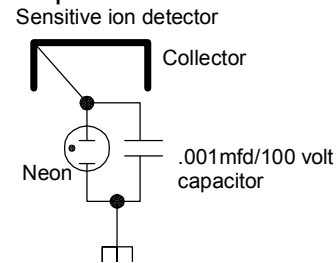
Experiment E



Experiment B



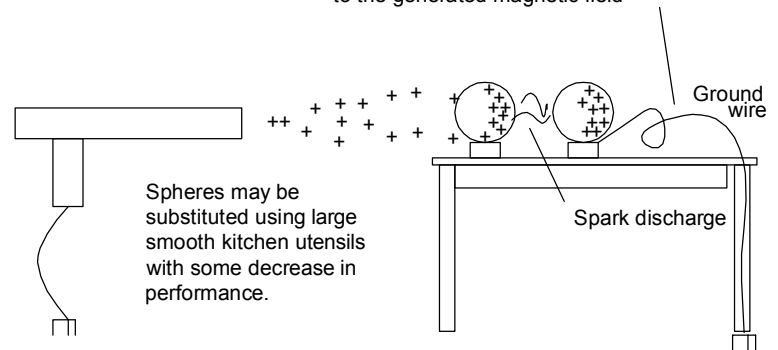
Experiment F



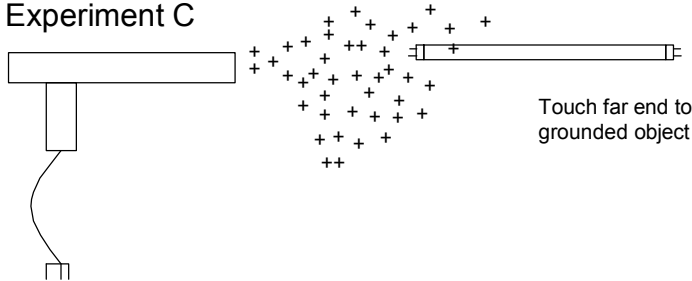
A small round metal bowl or similar object (ion collector) is attached to a glass jar or plastic cap. A neon lamp and capacitor are connected as shown. When the ion ray gun is pointed to the device the ion collector builds up a charge across the capacitor. Once the voltage reaches the ignition level of the neon lamp it flashes now discharging and repeating this action. The flashing rate is an indication of the ion field and can be used for relative measurements.

Experiment G

Note the coil jumping and moving when a spark occurs. This is due to the generated magnetic field



Experiment C



Experiment D

