

Can Electroscope Model

Mike Belling

Instructions

The following three pages have artwork that will allow you to build a class set of soda can electroscope models as well as a transparent model for use on an overhead projector.

Overhead Transparency -- page 2

--Print page 2 using a color injet printer on color transparency stock for use on an overhead projector.

--Cut out bottom pieces using scissors.

Transparent Electrons--page 3

--Print page 3 using a color injet printer on color transparency stock for use with the student electroscope models.

--Cut out each electron using scissors. Since only one row is needed for each model, one sheet should be enough for thirteen electroscope models.

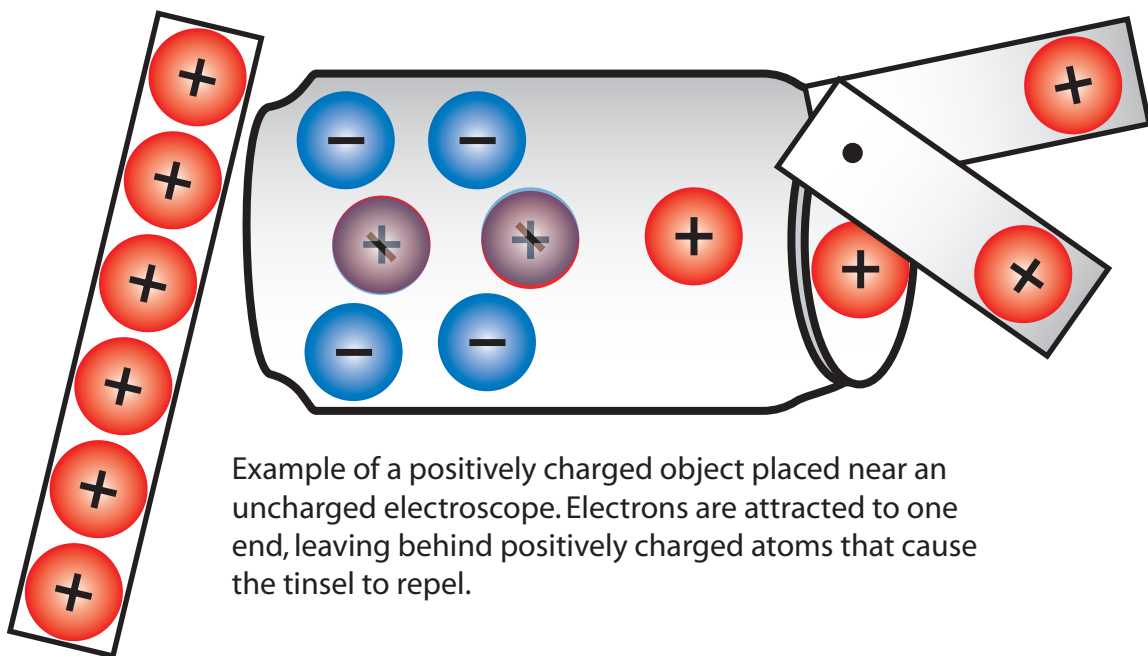
Student Electroscope Models--page 4

--Print page 4 in color on white paper. Each sheet makes two electroscope models.

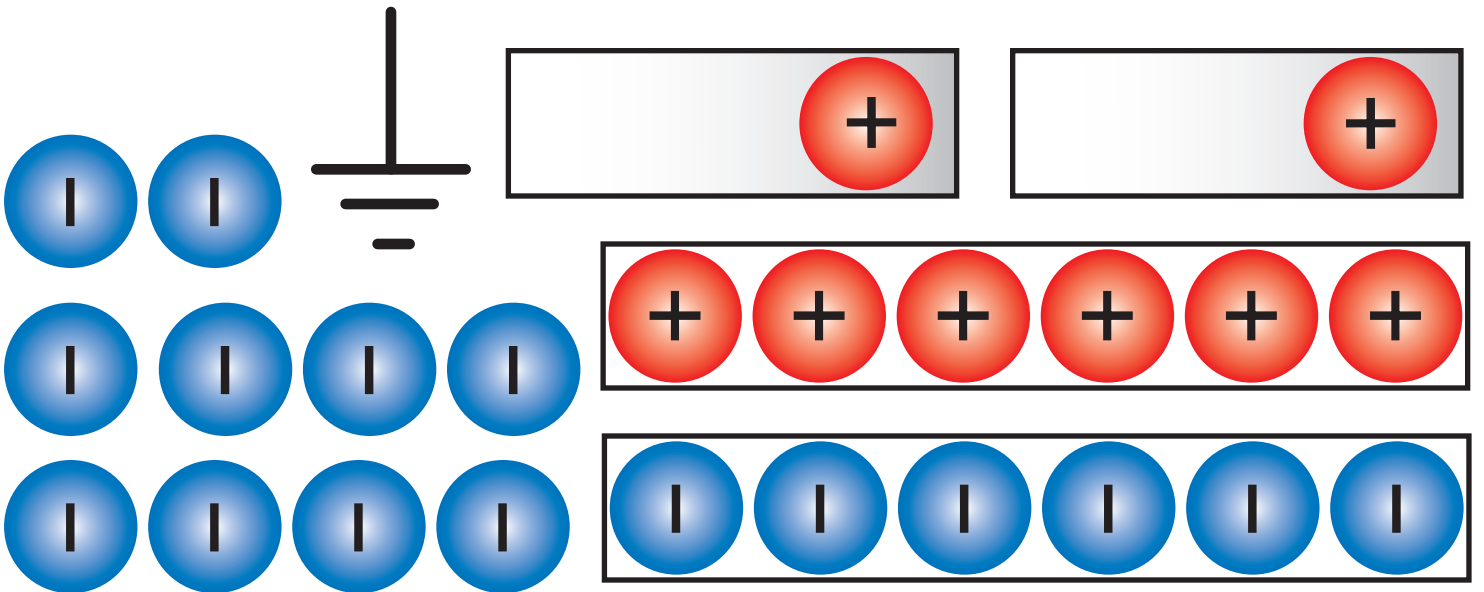
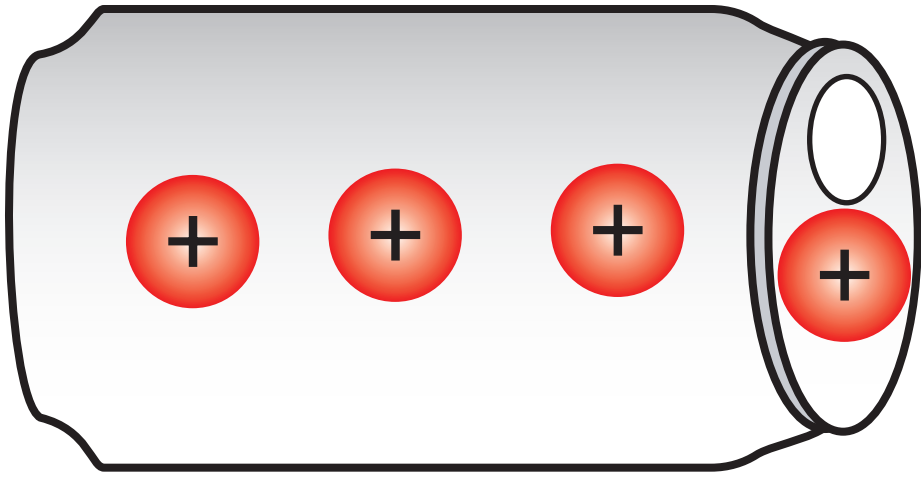
--To make the models easier to manipulate and sturdier, glue the paper to cardboard using a glue stick

--Cover the paper with wide transparent packing tape to laminate

--Cut out the individual pieces using an using an exacto knife.

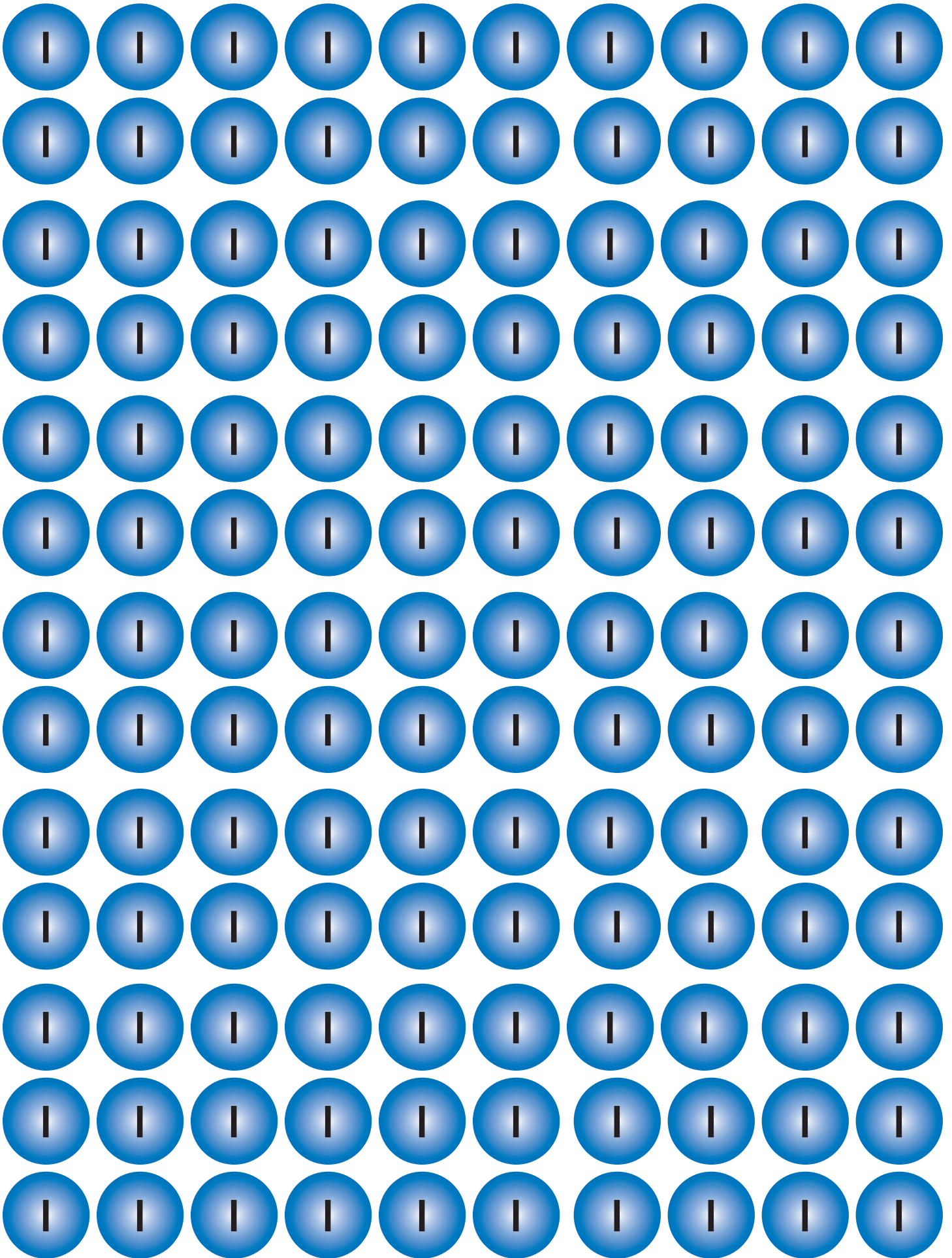


Example of a positively charged object placed near an uncharged electroscope. Electrons are attracted to one end, leaving behind positively charged atoms that cause the tinsel to repel.



Transparency for overhead: Bottom section-- cutouts, Top section--overhead base

Electrons for transparency (1 row per electroscope)



Two paper cutouts for electroscope model

