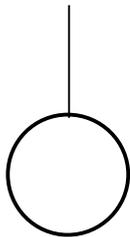


Induction-

-
-
-

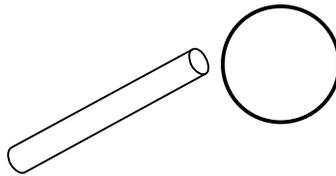
Only the _____ in a metal atom are free to move around.

Neutral Pith Ball

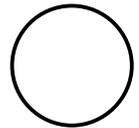


Problem Set #1

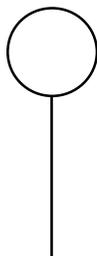
Pith Ball with + Rod brought near



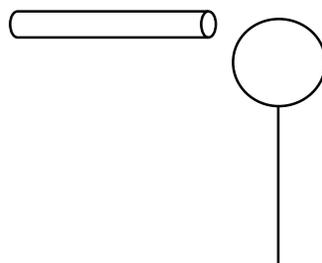
Pith Ball after Rod is removed



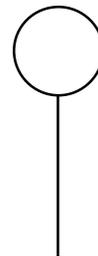
Neutral electroscope



Negative rod brought near



Rod removed

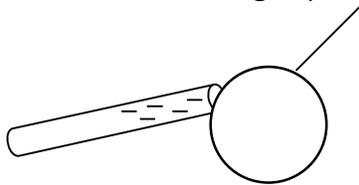


Problem Set #2

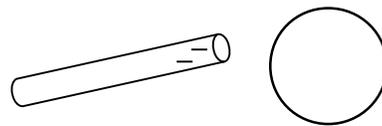
Conduction -

-
-
-

Draw the diagrams for conduction:
- rod touching a pith ball

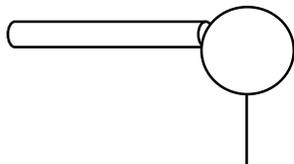


after the rod and ball have touched

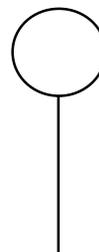


Problem Set #3

+ Rod touches electroscope knob



Rod is removed



Problem Set #4

When a boy puts his hand on top of the dome of a Van de Graff generator:

Charge is transferred to him by what _____.

He receives the _____ (same, opposite) charge as the dome.

When he steps down, the charge goes through him to the earth. This is this called _____.

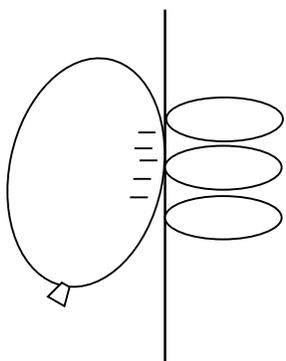
Why is water (and paper) attracted to both positive and negative rods?

The polar molecules (like water and paper) _____ so that the side closest to the rod is the _____ charge and attracts.

Why does a balloon stick to the wall after being rubbed with your hair?

Polar _____ on the wall's surface are charged by _____.

But what **should** happen when an object is touched by a charged object?



What do the balloon and the shirt have in common to keep conduction from occurring?

Show What You Know: