2.4.20

Electricity: Methods of Charging, Statics Problems

Today's Objectives:

Learn the methods of charging
Solve 2 object statics problems
Solve multi-object static questions
Use the Van der Graaf generator :)



Methods of Charging: (Ways to make a neutral + or -): 1) Friction (opposite charge) 2) Conduction (same charge) 3) Polarization (tand-Split up) Grounding: Removing a charge by Connecting it to ground Water 1. Charging by friction - rub 2 objects Tur Ballon Electrons get -transferred

one object always \underline{gets} (\underline{f} ,

while the other always ______











2 Object Statics Problem

A is positive. B is repelled by A. Object B is.....



- Negative
- Neutral
- + or Neutral
- or Neutral

A is positive, B is attracted to A. Object B is....



- 1. Physicsclassroom.com --> Concept Builders
- 2. Static Electricity --> Charge Interactions , Launch Concept Builder

3. Work on the first level (Apprentice).4. When you get a badge, leave it up!

Correct

Wrap Ups:

1. Why is it important to have the person stand on an insulating stand? 2. Why is the person on the VdG not getting srown shocked? Same Charge 3. What makes their hair "rise up"? 7 4. If a joker on the ground touches this person who will get shocked?



