Investigation Investigating Electric Charges

Report

How I Am Being Assessed

In this investigation, you will electrically charge a variety of substances and identify some properties of electric charges.

Question

How are uncharged and charged substances affected when they are near one another?

Prediction

(a) Predict what will happen when you bring two charged objects near one another.

Observations

Record your observations in Table 1.

Table 1

with silk or polyester	ebonite rod rubbed with fur word	Electric charge test
		Effection scraps of Eff
		Effect on stream of water
81		Effect on pith ball

Analysis and Conclusion

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The state of shorter charges you have identified in this investigation.	What happens to the force between charged and uncharged objects as the distance between them decreases? Support your answer with observations from the investigation.	(d) What happens when charged objects are placed near uncharged objects?	(c) Compare the results of the investigation for the ebonite and Lucite rods on the scraps of paper, water stream, and pith ball.