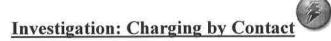
NT SS	
Name:	



In this investigation, you will use a pith ball apparatus to determine the kind of charge transferred from one object to another.

Question

How can we determine the kind of charge transferred to a neut	tral object when a charged objec
touches it?	

Prediction

(a)	Use the laws of electric charges to predict what kind of charge is transferred from each object to a pith ball apparatus.
-	

Observations

Record your observations in the table below.

Action	Observations
Charged ebonite rod brought close to, but not touching, the pith ball.	
Charged ebonite rod touches the pith ball and then brought close.	
Charged Lucite rod brought close to, but not touching, the pith ball.	×
Charged Lucite rod touches the pith ball and then brought close.	

Analysis and Conclusion

(b)	Write a statement about the transfer of electric charge when the pith is touched by a negatively charged object.	
(v		

(c)	Write a statement about the transfer of electric charge when the pith is touched by a positively charged object.
(d)	Ideally the pith ball is repelled by the charged ebonite rod after being touched. With the aid of a labeled diagram, use your knowledge of electrostatics to explain why this
	happens.
(e)	Ideally the pith ball is repelled by the charged Lucite rod after being touched. With the aid
	of a labeled diagram, use your knowledge of electrostatics to explain why this happens.
(f)	Write a statement to compare the movement of electric charges in the ebonite rod and the Lucite rod.
	<u>.</u>

ed to paint a car? if caught outside in a lightning storm. if two pith ball apparatuses were charge. Prediction
if caught outside in a lightning storm.
if caught outside in a lightning storm.
if two pith ball apparatuses were charg
if two pith ball apparatuses were charg
if two pith ball apparatuses were charg
if two pith ball apparatuses were charg
Prediction