	Investigating E	lectric Charges	
In this investigation, you properties of electric cha		a variety of substances an	d identify some
Question			
How are uncharged and	charged substances affect	eted when they are brough	at near one another?
Prediction			
(a) Predict what will hap	open when you bring a ch	narged object near an uncl	narged object.
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<u>, </u>			•
Observations			
Record your observation	ns in the table below.		
Electric charge test	Effect on scraps of paper	Effect on stream of water	Effect on the pith ball
Ebonite rod rubbed with fur			
with fur Lucite rod rubbed	usion		5
with fur Lucite rod rubbed with silk or polyester Analysis and Concl		observations, explain why	, or why not.
with fur Lucite rod rubbed with silk or polyester Analysis and Concl		observations, explain why	, or why not.
with fur Lucite rod rubbed with silk or polyester Analysis and Concl (b) Was your prediction	correct? Based on your	observations, explain why	<u>.</u>

Name:_____

(e) What happens to the force of attraction betwee distance between them decreases?	een charged and uncharged objects as the
(f) List the properties of electric charges you have	ve identified in this investigation.
Making Connections Describe a test that you could perform to determ	
How do you think an anti-static dryer sheet work	ks? Explain in terms of electric charges.
Why do you think people get shocks after they delectric charges.	
Why do you think people get shocks after they d	lrag their feet on a rug? Explain in terms of
Why do you think people get shocks after they delectric charges. Use the chart below to identify three situations is electricity. In the second column, write down the	lrag their feet on a rug? Explain in terms of
Why do you think people get shocks after they delectric charges. Use the chart below to identify three situations is electricity. In the second column, write down the producing the static electricity.	lrag their feet on a rug? Explain in terms of n which you experienced the effects of static e materials you believe might be responsible