Name: _____

Lab #1: Static Charge
Science 9

Materials:
Activity sheet. Give it the same title as this lab.
1 rod/strip each of: ebonite, clear plastic, aluminum, vinyl
1 mystery strip
1 piece each of: fur, wool, cotton, silk
A few pieces of paper confetti

Procedure: Rub one of the different sticks/rods with one of the fabrics, vigourously, for several seconds. Then pass the rod an inch or less above the confetti. Observe the behaviour of the confetti and record it in the chart below – do the papers show a STRONG, MEDIUM< WEAK< or NO reaction? Repeat for each pair of rod/fabric in the chart.

Data:

	Wool	Cotton	Silk	Fur
Ebonite				
Vinyl				
Aluminum				
Plastic				
???				

Mystery strip:

Based on your prior knowledge, and the reaction of the material to the mystery strip, what do you think the mystery strip is made of? Let's reason it through:

a. It looks like _____
b. The reaction is _____ , showing a _____ charge.
c. Because the charge on the _____ is _____, the charge on the mystery strip is _____.
d. Based on the chart shown in class, this is mostly likely to be _____ _____ .

Now complete the activity sheet for this lab.