Experiencing Charged Matter		tter Name
Cl	D 1	Class
Chapter 8	Part 1	Date
charged part of each piece taneously and each other. C	icles are part of matter. Obtain two piece to form a nonsticky handle. Stick the t d slowly move the nonsticky sides of th	asic units of matter. However, you can observe evidence that ces of plastic tape about six inches long. Fold over a half inch two strips smoothly to your desktop. Pull up both tapes simulate tapes toward each other. Do not allow the tapes to touch ends of the tapes separately to the edge of your desk while you ose to each another (Drawing 1).
and separate		he second tape on top of the first. Pull the tapes up together u bring the nonsticky sides toward each other. Make a second
	Drawing 1	Drawing 2
1. Describe	what happened when you brought the ta	apes together as shown in Drawing 1.
2. What hap	pened when you brought the tapes toget	ther as shown in Drawing 2?
-	ell whether a tape has a positive or a ne	
<b>5.</b> How wou	ld a tape pulled from the desk acquire a	n negative charge?
<b>6.</b> Relate you	or findings in this activity to the work of	of J. J. Thomson and the Thomson model of the atom.

## Real World Connection

A spark jumps from your hand to the doorknob after you walk across a carpet. Two wool blankets crackle with electricity as you try to separate them on a winter's night. Static cling in your clothing is a dry-weather nuisance. What other evidence have you seen that matter contains charged particles?