Name:	Period:	#:
Newton's First Law of Mo	otion Lab	
Part One Materials 1 Plastic cup 1 Playing Card Pennies		
 Procedure Place the playing card flat on top of the cup. Place one penny on top of the card so it is in the center. Carefully flick the card straight and hard. If done properlinto the beaker. See how many pennies you can place on the card and still 		
<u>Data</u>		
Give a detailed description of what you did and observed in this	section of the lab?	
Explain in terms of Newton's First Law of Motion why the penn	y fell into the cup when the c	card was flicked.
Part Two Materials -Drinking straws -1 Marble Notabooks		

-Notebooks

<u>Procedure</u>

- 1. Set up the notebooks on the width of the table so that there is a corridor about thirty centimeters wide.
- 2. Have one person sit on one side of the table while the other sits on the other side facing the first person.
- 3. Place the marble so that it is at the center of the table.

4. On the count of three, each student tries to blow air through the straw in order to move the objective is to move the marble all the way across the table to your partner's side. You comove and stop the marble. Keep track of your score.	
<u>Data</u> Explain in terms of Newton's First Law of Motion why it was hard to get the ball rolling using of	only air and the
straw.	mry an and the
Explain in terms of Newton's First Law of Motion why the ball was hard to stop once it got rolli air and the straw.	ing using only
 Questions What is Newton's First Law of Motion? Explain why inertia is related to Newton's First Law of Motion. List five examples you see every day that demonstrates Newton's First Law of Motion. What advantage do space travelers have using Newton's first law of motion? Be specificed by the space probe Voyager which was launched into space in the late seventies and left the couple years ago. Why was it able to keep going for thirty years without the use of fuel? What will that probe continue to do forever until an unbalanced force acts upon it? 	e solar system a