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Clark			LAB/PROJ2
	eriod		
Date		Otana Mana	/ Due 8/8 \
		Straw Wars	(-, -, -, -, -, -, -, -, -, -, -, -, -,
TSWBAT:	explain what affects how things move.		Fix 8/12
Problem:			
	ct does the size of a cotton ball and a bal	l of paper have on the	distance that the two balls travel when
blown on u	using a straw?		
Prior Rese	earch: Use information the class discuss	ed for "Tug of War."	
	is (Make a prediction by answering the		
	of a ball is greater, then the distance movel will be		
Materials:			
	astic straw		
	aper straw cover		
	cissors		
	uler		
	otton ball		
	ece of construction paper (12 x 18")		
Part 1:	, , , , , , , , , , , , , , , , , , , ,		
Procedure	es:		
1. Ca	arefully remove a small piece of the straw	cover at the end of the	ne straw. Take off the straw cover and
roll	Il the paper cover into a small ball. This i	s your paper ball.	
2. Ca	arefully cut off the "bendy" part of the stra	w so that there is 14 o	centimeters (cm) of the straight part of the
	raw is left. Throw the "bendy" part of the		
Consta 	ant Variable: Why should the length of th	e straw be kept the sa	nme?
 3. Ha	ave two team members stand at the oppo	osite sides of the cotto	n ball.
4. At	the same time, each team member blow	s to see who can get	the cotton ball to get to their opponents
sid	de of the table! (Real objective – both tea	am mates should be b	lowing on the cotton ball the same
am	nount so the ball should not move!)		
	e following questions in complete senten		
1. Wh	hat did the cotton ball do before the blow	ring started and why?	
2. Wh	hat caused the cotton ball to move and w	vhy?	
Part 2:			
Procedure	es (Please round your numbers to the	nearest cm.):	
	ne up the paper ball and the cotton ball o	•	e of the construction paper and use the
sar	me amount of air to blow the paper ball a	and the cotton ball. M	easure the distance that each ball has
	avelled.		
Consta	ant Variable: Why should the amount of a	air used be the same t	for each ball?

vas hypothesized that if (restate hypothesis) e results of the experiment showed that when the size of the ball was increased, then the distance veled in centimeters For example, (report the data)	ta Table:											
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2. Create some type of comparison experiment (reread the PROBLEM) that allows data to be collected for

the two balls. You do not have to fill every spot in the data table.