

Name: _____ Date: _____ Block: _____

Lab Partner(s): _____

The Paper Towel Challenge



Your task is to design and perform an experiment to determine which brand of paper towel (President's Choice, Bounty, No Name, or School Brand) is most absorbent.

Identify the problem (or question).

State the hypothesis (in the form of an "If...then..." statement).

Define the ONE experimental variable.

List ALL of the required controls. What factors must be kept constant?

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Conclusion (to be completed after performing the experiment): _____



List all of the materials that you will need to perform your experiment.

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Design the procedure. Be VERY detailed.



Step #1: _____

Step #2: _____

Step #3: _____

Step #4: _____

Step #5: _____

Step #6: _____

Step #7: _____

Step #8: _____

Step #9: _____

Step #10: _____

Step #11: _____

Step #12: _____

Step #13: _____

Step #14: _____

Step #15: _____



Step #16: _____

Step #17: _____

Step #18: _____

Step #19: _____

Step #20: _____

Data & Observations:

Paper Towel Brand	Volume of Water Absorbed (mL)			Average Volume of Water Absorbed (mL)
	Trial #1	Trial #2	Trial #3	
President's Choice				
Bounty				
No Name				
School Brand				

Evaluation:

PLO #s	Question #s	Your Score	Total Possible Score
A2a	Hypothesis		2
A2b	Problem		1
	Experimental Variable		1
	Controls		5
	Materials		5
	Procedure		10
	Total		22
A2c	Data & Observations		8 ($\frac{1}{2}$ mark each box)
A2d	Conclusion		3
A2e	Support or reject hypothesis (in the conclusion)		1

