

Name: _____

Partner: _____

Date: _____

PAPER TOWEL INQUIRY LAB

In this activity you will use the scientific method to uncover the truth about paper towels. Your task will be to determine which paper towel has the best ABSORBENCY. You will be given one sheet of white paper, household paper towel, school paper towel and shop paper towel. You are to use the water (from the taps) and whatever necessary science equipment (as discussed in class last week). Each step outlined on this sheet must be completed, but the way you decide to design your experiment is entirely up to you and your partner. Good LUCK!

1. Identify the PROBLEM that you will solve through experimentation

2. Make some OBSERVATIONS

3. Propose a HYPOTHESIS using an "if.....then....." statement

4. Identify your VARIABLES

5. Identify your CONTROL?

6. Fill in the following steps for your detailed PROCEDURE:

Step 1: _____

Step 2: _____

Step 3: _____

Step 4: _____

Step 5: _____

Step 6: _____

Step 7: _____

Step 8: _____

Step 9: _____

Step 10: _____

7. DATA table:

Paper	Amount of water absorbed (mL)			Average (mL)
	Trial 1	Trial 2	Trial 3	
White Paper				
Household Paper towel				
School Paper Towel				
Shop Paper Towel				

8. ANALYZE your results:

Show how you determined the average water absorbed using your data from the white paper as an example:

9. Write a CONCLUSION: (Your conclusion should either support or reject your hypothesis)

10. REPLICATION/REDESIGN: Would you make any changes to your procedure if you were asked to conduct this experiment again? Why?