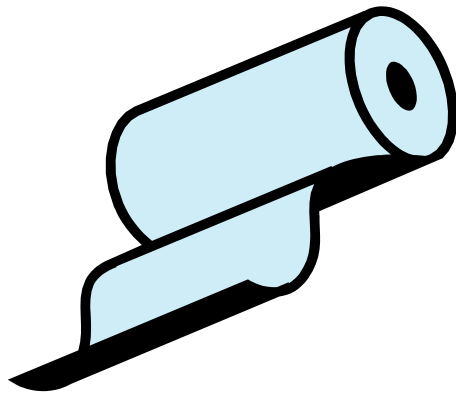


Curriculum Embedded Performance Task
Elementary School Science
Content Standards 3.1, 3.2 or 3.4



Soggy Paper

Student Materials

Connecticut State Department of Education
Bureau of Curriculum and Instruction

Student's Name _____

Date _____



Soggy Paper - Types of Paper

Your task today is to examine the properties of three different kinds of papers and answer the **Question**:

Which type of paper holds (absorbs) the most water?

1. **Observe** the three different types of paper and **Record** your observations of the papers' properties on the chart below.

(When we observe properties of objects we must use our senses! **Think**: How do the papers look, feel, sound, and smell?)

Type of Paper	Properties Without Magnifier	Properties With Magnifier
Paper Towel 		
Tissue 		
Napkin 		

2. Think about the properties you described for each paper. Which paper do you **think (predict)** will absorb the **most** water? Explain your thinking.

3. Now you will **Test** your prediction.

- Pour 25 mL of water on one of the plates.
- Take one paper towel square and place it on the water.
- Leave it on the water until it doesn't absorb any more water.
- Pick up the paper towel and let it drip over the plate until it stops dripping.
- Put the wet towel into the cup.
- If there is still water on the plate, take another paper towel square and absorb more water.
- Continue this process until all water is absorbed
- Repeat the experiment for each type of paper.
- Record the number of squares needed to absorb the water for each type of paper.
- Even if the entire paper isn't wet, count it as one square.

Record your information with Tally Marks

Type of Paper	Amount of Water Spilled	Prediction - How many of each paper do you think will be used?	Tally marks for each square used.	Actual number written in standard form.
Paper towel	25 mL			
Tissue	25 mL			
Napkin	25 mL			

4. Graph your Data

Use the information you collected on your chart to make a bar graph.

Water Absorbency of Different Types of Paper

Number of papers used

Types of Papers

5. Which type of paper used the **fewest** number of squares to soak up the water?

6. Which type of paper used the **greatest** number of squares to soak up the water?

7. Which paper type was the **best** for absorbing water?

8. Which paper type was the **worst** for absorbing water?

9. Did your prediction match your results? Explain.

10. Why did the _____ paper absorb the most water?
Explain how some properties (look at your property chart) made one paper more absorbent than the other papers.

11. What other questions do you have? How could you do this experiment differently? **Write** at least one question.

Soggy Paper - Most Absorbant Paper Towels

You will do the same experiment you just did. However, this time you will test the absorbency of different brands of paper towels.

1. **Write** a question that you will investigate. (Experiment to find the answer)

Question:

2. **Record** your observations in the chart below

Properties of Paper Towels

Type of Paper	Properties Without Magnifier	Properties With Magnifier
Paper Towel 1		
Paper Towel 2		
Paper Towel 3		

6. Do your experiment and record the information you learned.

Type of Paper	Amount of Water Spilled	Prediction - How many of each paper do you think will be used?	Tally marks for each square used.	Actual number written in standard form.
Paper towel	25 mL			
Tissue	25 mL			
Napkin	25 mL			

7. Are all paper towels the same? _____

8. What conclusion can you make based on your experiment? (What did you find out about paper towels and what does it mean?)
