



Which Material Soaks Up the Most?

Week 5 — Wednesday | Water & Materials

Today's Experiment

Today you will test different materials to see which absorb the most water. Scientists make **predictions** before experiments and compare them to actual **results**. You will use the same amount of water for each test to make it a **fair test** — only the material changes, everything else stays the same.



My Prediction

Rank from most absorbent (1) to least absorbent (5): paper towel, cotton cloth, plastic bag, aluminum foil, sponge

Rank	Material
1 (Most)	_____
2	_____
3	_____
4	_____
5 (Least)	_____



Experiment Results

Add 10 drops of water to each material. Wait 1 minute. Observe.

Material	What Happened?	Absorbed / Not
Paper Towel	_____	
Cotton Cloth	_____	
Plastic Bag	_____	
Aluminum Foil	_____	
Sponge	_____	

Actual Absorbency Ranking

Actual Rank	Material	How Much Water?
1 (Most)	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5 (Least)	_____	_____

Draw Your Results

Color in the bars: full bar = most water, empty = no water.

Material	Water Absorbed
Paper Towel	
Cotton Cloth	
Plastic Bag	
Aluminum Foil	
Sponge	

Thinking Questions

1. Was your prediction correct? What surprised you?

2. Why is it important to use the same number of water drops for each test?

3. How could you use what you learned to clean up a water spill at home?
