



Name Date

Is It Waterproof or Not Waterproof?

The clothes we wear are made from many different fabrics or materials.

We might need an item of clothing to be cool, stretchy, warm or waterproof.

Warm wool scarf



Stretchy lycra leotard



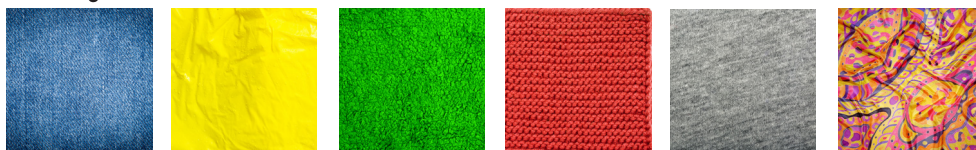
Waterproof plastic raincoat



In this experiment let's investigate which fabric will be best to keep us dry in wet weather.

Gather your equipment:

- 6 squares of different fabrics that measure about 15 cm x 15 cm



- A black marker
- Kitchen towel
- A teaspoon



- A small cup or container
- Water





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1. Begin by writing a number on each piece of fabric using the marker.
2. Now examine the six pieces of fabric. Do you think they will be waterproof or not waterproof? Write your predictions on the chart.

Waterproof or Not Waterproof

	My Prediction	Test Result
Fabric 1		
Fabric 2		
Fabric 3		
Fabric 4		
Fabric 5		
Fabric 6		

3. Place a piece of kitchen towel on a flat, waterproof surface.
Lay fabric number 1 on top of the kitchen towel.
4. Now, scoop 5 teaspoons of water into the container.
Gently pour the water onto the fabric.
5. Lift up the piece of fabric

Did any water reach the kitchen towel underneath?

If not, the fabric is waterproof. If the kitchen towel is damp, the fabric is not waterproof. Write your results on the chart.



Name Date

6. Test the other five pieces of fabric in the same way.

Were any of the fabrics waterproof?

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Which fabric let the most water through?

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Which fabric protected the kitchen towel from the water the best?

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If you wanted to stay dry in wet weather, which of the fabrics would be best to use for making a hat and coat?

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