

WALT: investigate the absorbency of materials.

Absorbent materials are different types of materials which can soak up liquid.

Task One

Have a look at the materials below. We are going to make a prediction! Put a circle around the materials which you think are absorbent.



What other materials can you find around your home which you think are absorbent?

Look at the material and make a prediction by completing the table below.

I think these materials are absorbent:	I think these materials are non-absorbent:
• • • • •	• • • • •

Now, you are going to test to see if your predictions were correct.

Experiment Instructions

1. Get a container of water. To ensure fair testing, use a measuring jug and use the same amount of water for each material. Make a note of how much water you have in the bowl to begin with.
2. Place the material that you are testing in the water for one minute.
3. After the minute has passed, take the material out of the water.
4. Measure how much water is left in the bowl and write down the measurement.
5. Repeat this process for each material you are testing.

Results Table

Starting amount of water for all materials - _____ml

Material	Amount of water left in the bowl after one minute (ml)

The material which is the least absorbent is _____.

The material which is the most absorbent is _____.

Task Two

Explain what materials these objects are made from, what they are used for and why they need to be absorbent. The first one has been done for you.

<u>Object</u>	<u>Material</u>	<u>Why do these materials need to be absorbent?</u>
Towel	Fabric	Towels need to be absorbent because they are used to dry water off your body.
Kitchen Roll		
Bath Mat		
Cotton Wool		
Sponge		