

UNIT  
8

# ABSORPTION

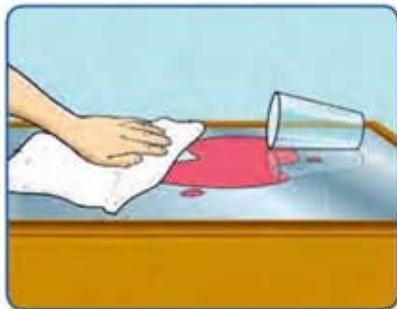


Why are Hafiz's shirt and the chicks' feathers not wet?



# Water Absorbent Objects, Non-Water Absorbent Objects

Some syrup spilled onto a glass table.  
Then, Alia wiped off the spill.



Where has the water gone?  
Why is the glass table not wet?  
Let's investigate.



## Let's Test

## Water Absorbent or Not



### APPARATUS AND MATERIALS



coloured water



dropper



notepad



handkerchief



tissue paper



rubber



coins



paper clip



cotton balls



plastic toy

8.1.1



### Teacher's Info

- Dropper can be replaced by a drinking straw.

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49-50



## GROUP ACTIVITY

### Steps

- 1 Put drops of coloured water onto the objects.
- 2 Observe what happens to the coloured water.
- 3 Record your observation in a table as shown below.

| Object       | Drops of water |    |
|--------------|----------------|----|
|              | Yes            | No |
| Coin         | ✓              |    |
| Handkerchief |                |    |

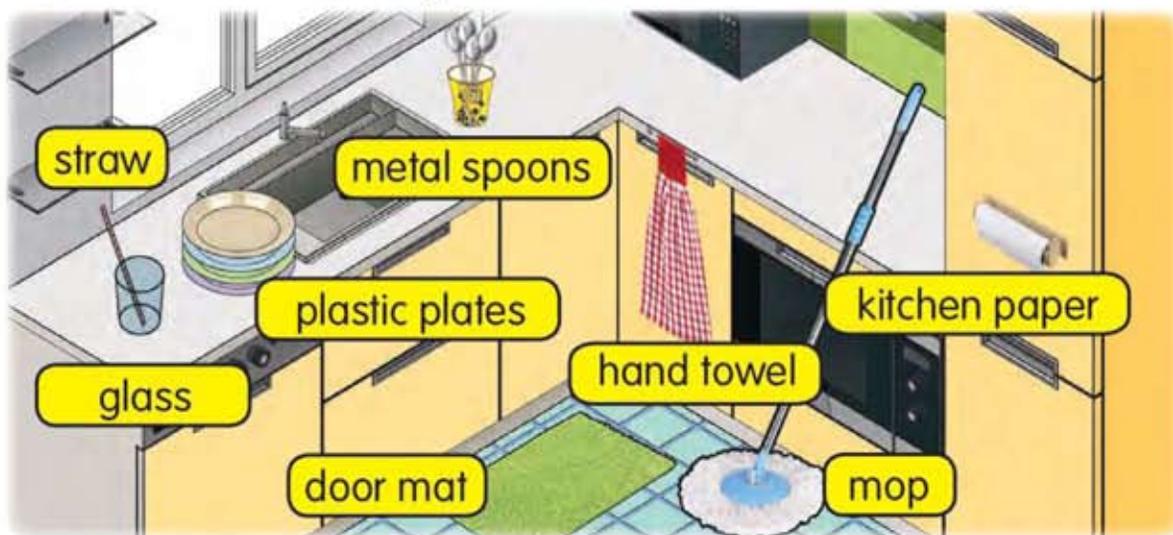
### QUESTIONS

1. Which objects still have the water droplets on them? Why?
2. Which objects have no water droplets on them? Why?

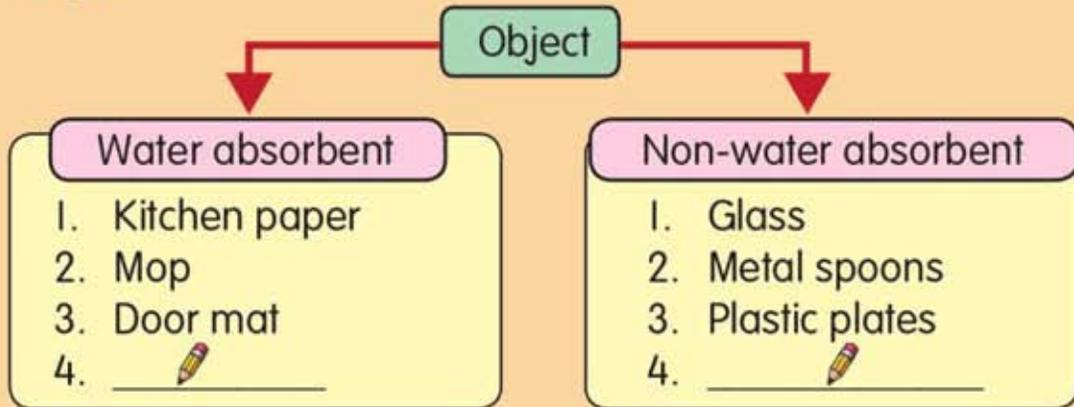
The glass table **does not absorb water**. The hand towel **absorbs water**. There are water absorbent objects and non-water absorbent objects.

## Let's classify objects

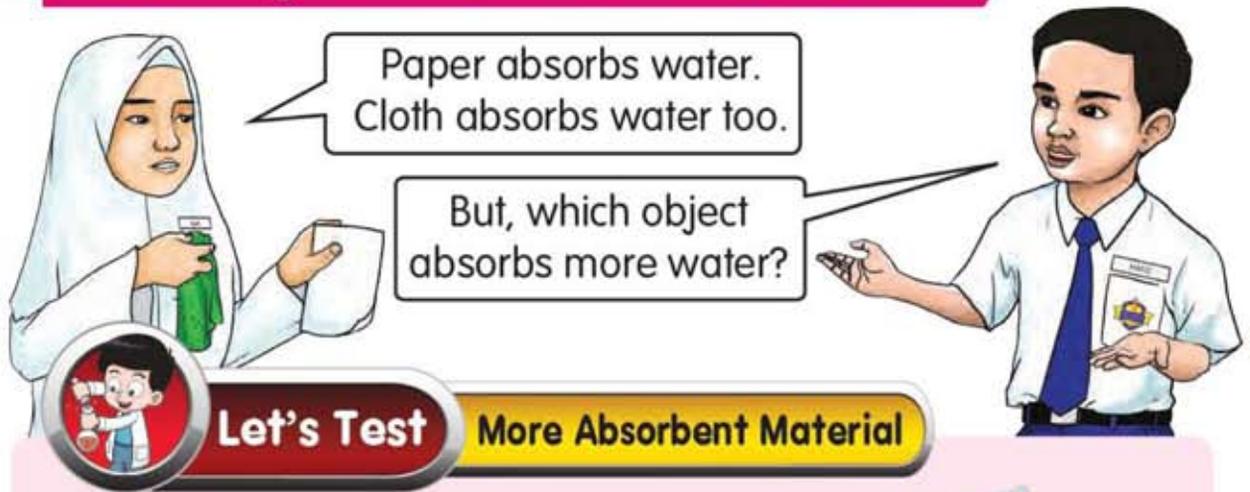
There are various objects in the kitchen area.



Alia has identified that kitchen paper is an object that can absorb water. A glass is an object that cannot absorb water. Let us help Alia to classify the objects into two groups.



## The ability of materials to absorb water



### APPARATUS AND MATERIALS



a stick



glue



coloured water



cloth, newspaper and  
kitchen paper

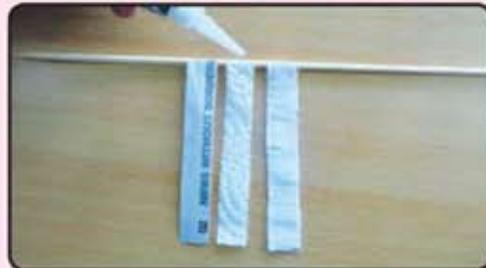


## GROUP ACTIVITY

### Steps



- 1 Cut the newspaper, kitchen paper and cloth into strips of the same size.



- 2 Glue the strips onto a stick.



- 3 Dip the ends of the strips into a beaker containing coloured water. Leave for 1 minute.



- 4 Observe the water level absorbed by the three objects.

### QUESTIONS

1. Which object absorbed water the most? Why?
2. Which object absorbed water the least? Why?
3. Arrange the objects according to their ability to absorb water, in an ascending order.

1. The object that absorbed water the most is the kitchen paper.
2. The object that absorbed water the least is the newspaper.



#### Teacher's Info

- The ability to absorb water means the capacity to absorb water.
- Keep the thickness and size of the objects the same.
- Use food colouring for the water.



## The Importance of Water Absorbent and Non-Water Absorbent Objects

What is the importance of water absorbent objects?  
Observe the examples in this situation.



State the importance of water absorbent objects in each of this situation.

Little brother's body is wet after bathing. Father is wiping him with a towel.

Why is cotton ball used to clean a wound?



Activity Book  
Pages:  
54-55

State the importance of water absorbent objects in your life.



How does mother dry a jug?



How does Imran wipe his sweat?



What is the importance of non-water absorbent objects? Discuss.



Objects that can absorb water and objects that cannot absorb water are important in our lives.



**Creating**

**Mini Mop**



**APPARATUS AND MATERIALS**



rubber bands



**CAUTION!**



scissors



string



pen

8.1.5  
8.1.6



**Teacher's Info**

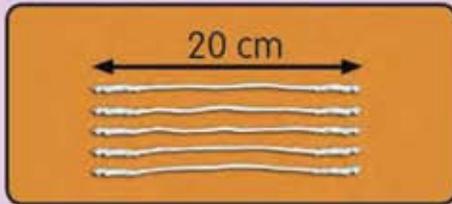
- Assist the pupils to cut the string into the required length.

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**56**

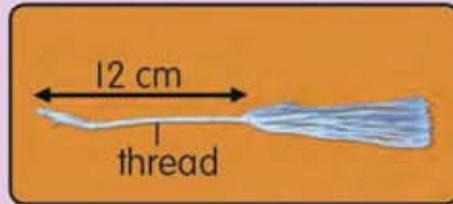


## GROUP ACTIVITY

### Steps



1 Cut the string into 5 pieces.



2 Tie up the middle of the strings using a piece of thread.



3 Pull off the back of a pen and remove its content. Insert one end of the thread and take it out from the nozzle.



4 Tie a string to the nozzle of the pen using a rubber band and cover it with the pen cover. Separate the strings.

5 Explain the mini mop you have made to the class.

### QUESTIONS

1. Why is string used to make the mini mop?
2. What other materials can be used to replace the string?



### Let's Revise

1. Classify the following objects according to their ability to absorb water.

kitchen paper

coin

paper bag

paper clip

2. Arrange the following objects based on their ability to absorb water in an ascending order.

newspaper

hand towel

manila card

#### Teacher's Info



- Use a pen that has run out of ink.
- Use a pen with the back end that can be dismantled.

3. State the importance of the following objects.



### Recall

- There are water absorbent objects and there are non-water absorbent objects.

### ABSORPTION

#### Water absorbent objects

handkerchief, tissue paper, newspaper, hand towel

#### Importance



#### Non-water absorbent objects

paper clip, rubber, plastic toy, drinking straw

#### Importance



### Science Recreation

#### Absorb and Expand

- Make a flower using paper.
- Fold the petals inward and put it on the water surface.
- Observe what happens.

