

SCIENCE EXPERIMENT

WALKING WATER

Watch water move and colors come to life!



What you'll discover:

- How water can move through objects
- The power of capillary action
- Mixing colors and creating new ones

Let's Explore!



Name: _____

Class: _____

Date: _____



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WALKING WATER



Water can walk! Let's see how.

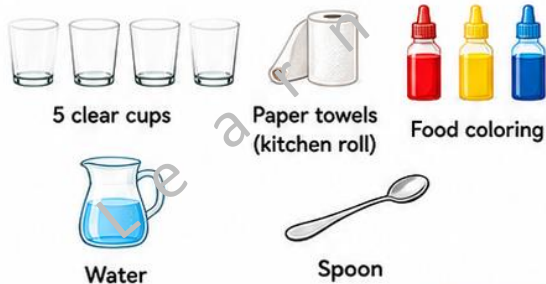


WHAT HAPPENS?

Water moves up the paper towel and into the next cup. It keeps going from one cup to another and creates a beautiful rainbow!

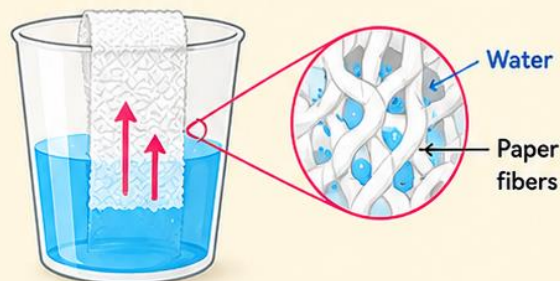


MATERIALS



THE SCIENCE

Paper towels have tiny spaces between their fibers. Water sticks to these fibers and moves upward. This is called **CAPILLARY ACTION**.



STEPS

- Pour some water into each cup. Add different food coloring to each cup.
- Cut or fold paper towels into strips (about 2-3 cm wide).
- Place one end of a paper towel in one cup...
- ...and the other end in the next cup.
- Wait and watch the water WALK from one cup to another!



- ★ Use more water for faster results.
- ★ Try using 7 cups to make a full rainbow.
- ★ Be patient and observe the magic!



WHAT DID YOU LEARN?

Water can move without being poured.
Science is all around us!





SCIENCE EXPERIMENT

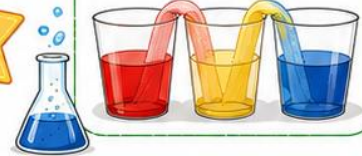
WALKING WATER

PREDICTION SHEET



What we will use:

- Clear cups
- Water
- Food colouring
- Paper towels
- Tray (optional)



Think before you experiment!
Use your ideas to predict what will happen.



Name : _____



Class : _____



Date : _____

- 1 What do you think will happen when we connect the cups with paper towels?

Tick (✓) one answer.

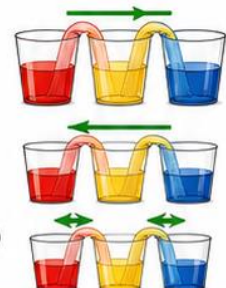
- ☐ The water will stay in each cup.
- ☐ The water will spill out.
- ☐ The water will move through the paper towels to the next cup.
- ☐ I'm not sure.



- 2 Which way do you think the water will move?

Tick (✓) one answer.

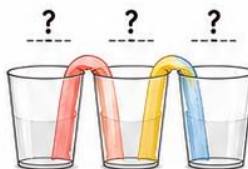
- ☐ From left cup to right cup
- ☐ From right cup to left cup
- ☐ Both ways (towards the middle)



- 3 What do you think will happen to the water levels?

Tick (✓) one answer.

- ☐ All the cups will have the same water level.
- ☐ The middle cup will have the most water.
- ☐ The first and last cups will have the most water.
- ☐ I'm not sure.



- 4 What colors might you see in the middle cup if you use different colors?

Tick (✓) one answer.

- ☐ Only one color
- ☐ Two colors (a new color!)
- ☐ Three colors
- ☐ I'm not sure



- 5 Draw what you think will happen.

Use the space below to draw your prediction.



- 6 Why do you think this will happen?

Write your ideas.



THINK LIKE A SCIENTIST!

- ★ Make a prediction.
- ★ Test your ideas.
- ★ Observe carefully.
- ★ Learn and discover!



DID YOU KNOW?

Water can move through paper towels because of a process called **capillary action**. It helps water climb and travel!



BE SAFE!

- ☒ Ask an adult for help.
- ☒ Do not drink the water.
- ☒ Keep your area clean.
- ☒ Have fun and be careful!



Observe, Predict, Experiment, Learn!



SCIENCE EXPERIMENT

WALKING WATER

OBSERVATION SHEET

Observe carefully and record what you see!

What we used:

- Clear cups
- Water
- Food colouring
- Paper towels
- Tray (optional)



Name : _____



Class : _____



Date : _____

1 Before We Start

Draw how the cups look before you start.



Cup 1



Cup 2



Cup 3

2 As We Start the Experiment

What do you see just after you place the paper towels?

Tick (✓) all that you observe.

- ☐ The paper towels are dry.
- ☐ Water level is the same in all cups.
- ☐ No colour has moved yet.
- ☐ I can see the colours clearly.
- ☐ Other: _____



3 After 10–15 Minutes

What changes do you see after 10–15 minutes?

Tick (✓) all that you observe.

- ☐ Water has moved through the paper towels.
- ☐ Water level in the middle cup is rising.
- ☐ Water level in the outer cups is lowering.
- ☐ Colours are starting to mix.
- ☐ Other: _____



4 After 30–45 Minutes

What do you see after 30–45 minutes?

Tick (✓) all that you observe.

- ☐ The middle cup has the most water.
- ☐ The outer cups have less water.
- ☐ Colours in the middle cup are mixed.
- ☐ Colours in the outer cups are lighter.
- ☐ Other: _____



5 Final Results (After 1 Hour or More)

Draw what you see in the cups now.



Cup 1



Cup 2



Cup 3

Fill in the table with your final observations.

Cup	Water Level (High / Medium / Low)	Colour (What colour do you see?)
Cup 1 (Left)		
Cup 2 (Middle)		
Cup 3 (Right)		

6 What Did You Notice?

Write down any other things you noticed during the experiment.



7 What Did You Find Most Amazing?

Write one thing that surprised you the most.



SCIENTIST CHECKLIST

- ☐ I observed carefully.
- ☐ I recorded my observations.
- ☐ I used all my senses.
- ☐ I kept my area clean.



DID YOU KNOW?

Water can move through tiny spaces in paper towels. This is called **capillary action**. It helps water climb and travel!



Be a Safe Scientist!

- ☒ Ask an adult for help.
- ☒ Do not drink the water.
- ☒ Keep your area clean.
- ☒ Have fun and be careful!



Great scientists **Observe, Record and Discover!**





SCIENCE EXPERIMENT

WALKING WATER

RESULT SHEET



Name : _____



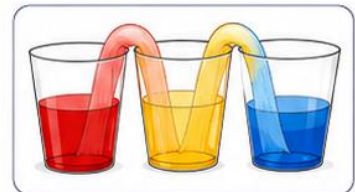
Class : _____



Date : _____

1 What Did We Observe?

Write what happened during the experiment.



2 Final Observations

After checking the cups at the end, write what you see now.

Cup	Water Level (High / Medium / Low)	Colour (What colour do you see?)
Cup 1 (Left)		
Cup 2 (Middle)		
Cup 3 (Right)		

3 What Happened?

Explain in your own words why this happened.



4 Conclusion

What did we learn from this experiment?



SCIENTIST CHECKLIST

- ☐ I observed carefully.
- ☐ I recorded my observations.
- ☐ I used all my senses.
- ☐ I kept my area clean.



BE A SAFE SCIENTIST!

- ☒ Ask an adult for help.
- ☒ Do not drink the water.
- ☒ Keep your area clean.
- ☒ Have fun and be careful!



Great scientists **Observe**, **Record** and **Discover**!





SCIENCE EXPERIMENT

WALKING WATER

REFLECTION SHEET



Name : _____



Class : _____



Date : _____

1 What did I enjoy most?

What part of the experiment did you enjoy the most? Why?



2 What surprised me?

What surprised you the most during the experiment?



3 What did I learn?

What new things did you learn from this experiment?



4 How can I use this in real life?

Where do you think this can be useful in our daily life?



5 What would I do differently next time?

If you did this experiment again, what would you change or do differently?



6 Draw & Write

Draw a picture of the experiment and write one thing you discovered about it.



SCIENTIST CHECKLIST

- ☐ I observed carefully.
- ☐ I recorded my observations.
- ☐ I used all my senses.
- ☐ I kept my area clean.



BE A SAFE SCIENTIST!

- ☒ Ask an adult for help.
- ☒ Do not drink the water.
- ☒ Keep your area clean.
- ☒ Have fun and be careful!



Great scientists **Reflect, Learn and Grow!**

