

Explain what is hidden

Kiddos World · Exploration Library · Stories to explore together

11 Can paper stay dry underwater?

Story sheets 1–4

08 Did the pencil bend?

Story sheets 5–8

14 Can a comb lift paper?

Story sheets 9–12

20 Does shiny mean magnetic?

Story sheets 13–16

WONDER TOGETHER · 11

Dry paper. Underwater?

A cup. A splash.
A hidden surprise.



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01 / 07

GUESS BEFORE YOU SWIPE

Wet? Or dry?

Paper is tucked inside.
The opening goes down first.

What do you think will happen?



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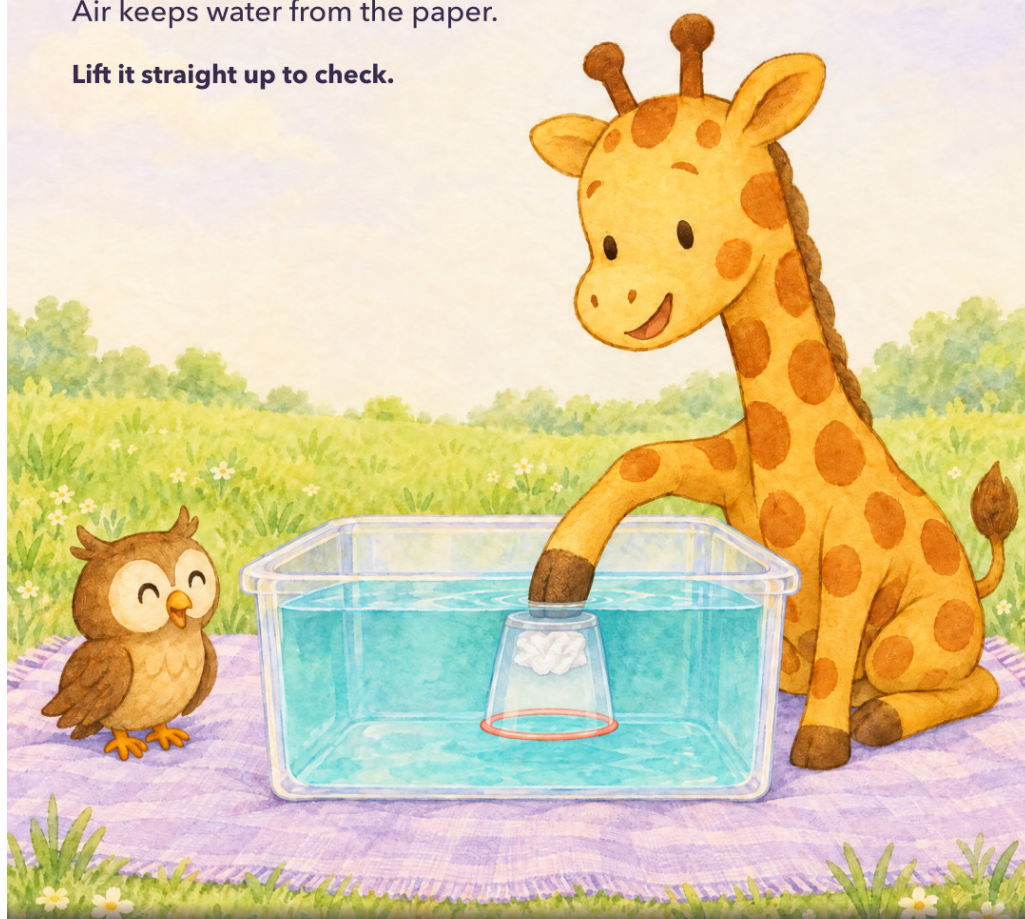
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FIRST, STRAIGHT DOWN

Still dry!

Gina lowers the cup
without tilting.
Air keeps water from the paper.

Lift it straight up to check.



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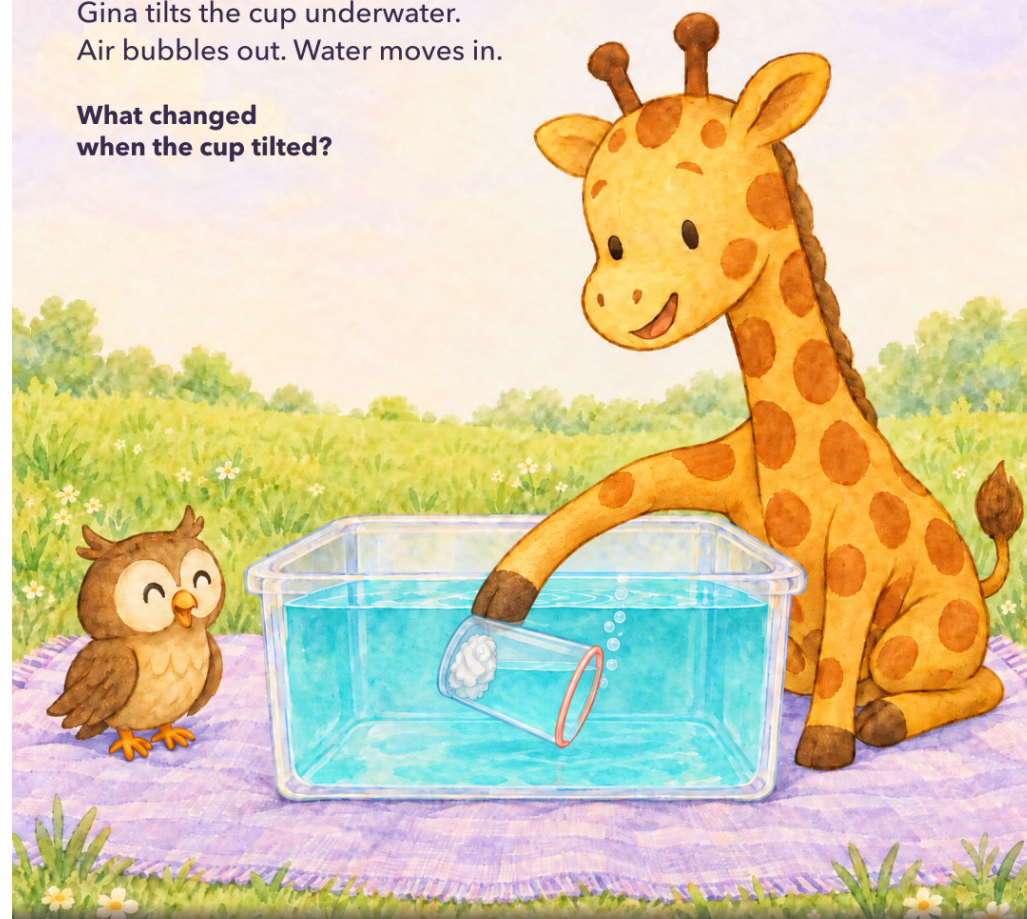
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NOW, TRY A TILT

Hello, bubbles!

Gina tilts the cup underwater.
Air bubbles out. Water moves in.

**What changed
when the cup tilted?**



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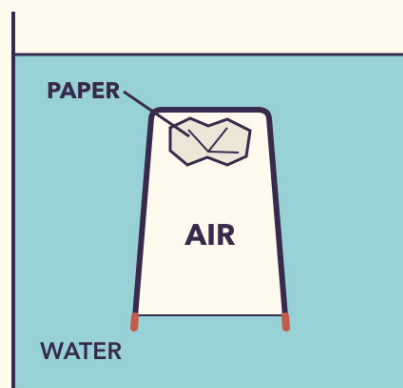
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THE PART TO REMEMBER

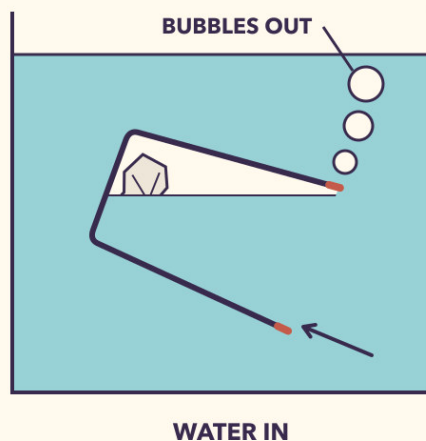
Air takes up space.

The cup was never empty.
Invisible air was inside.

STRAIGHT



TILTED



Invisible does not mean empty.

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TRY IT TOGETHER

Catch some air.

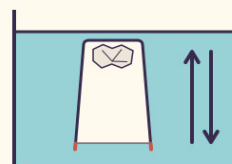
With an adult: a clear plastic cup,
paper towel and a small tub of water.

1



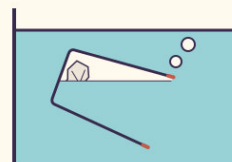
Crumple dry paper.
Wedge it firmly at a
dry cup's closed end.

2



Turn over. Down and up.
Keep straight. Dry the rim.
Check the paper.

3



Try again. Tilt underwater.
Watch for bubbles.

Predict. Try. Tell what you noticed.

Adult stays beside you. No glass.
Wipe spills. Empty the tub afterward.

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KEEP EXPLORING TOGETHER

One mystery. Another adventure.

Follow Gina's next water question in
Where Did My Water Go?



Parents: read together in Kiddos Books.

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WONDER TOGETHER · 08

Did the pencil bend?

One pencil. A little water.
A surprising new view.



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GUESS BEFORE YOU SWIPE

Just add water?

Gina leans a pencil in an empty cup.
Will adding water change
how it looks?

Make a guess. Then look closely.



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NOW LOOK FROM THE SIDE

It looks bent!

They add water to the same cup.
Gina spots a strange shift
at the waterline.

Trace the pencil with your eyes.



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CHECK YOUR GUESS

Still straight.

They take the pencil out.
Gina checks from end to end.
No bend. No break.

What changed: the pencil or the view?



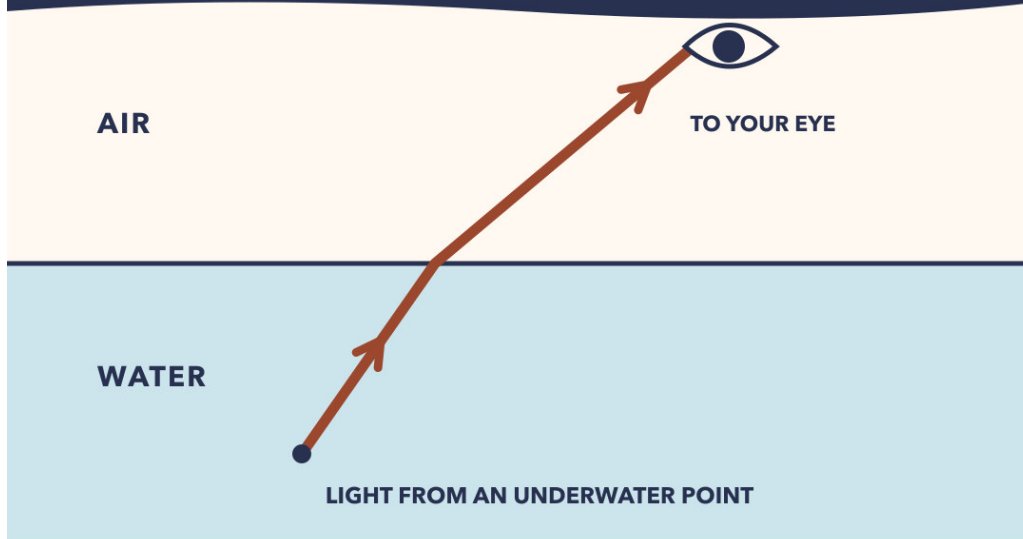
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THE PART TO REMEMBER

Light bends. Pencil doesn't.

Light can change direction
as it travels from water to air.
That changes where things appear.



One simple light path

This light-bending is called refraction.

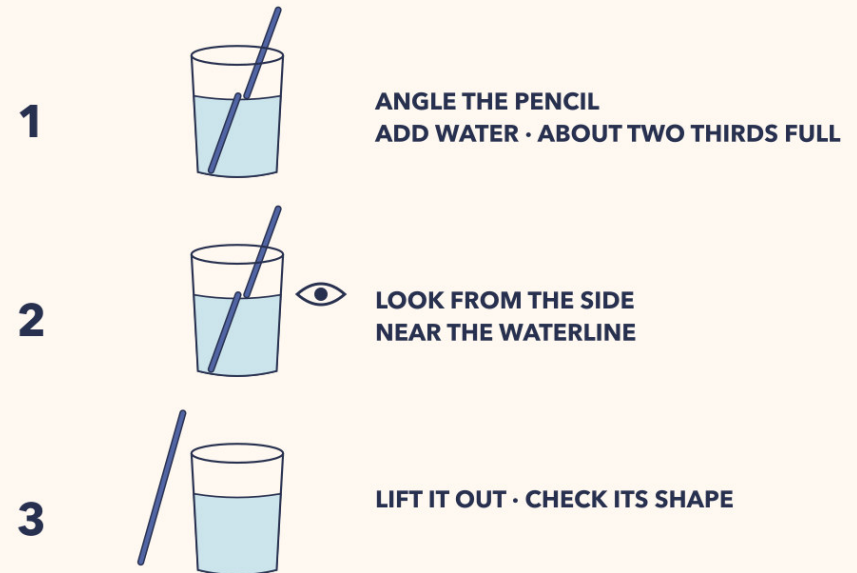
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TRY IT TOGETHER

Look. Lift. Look again.

With an adult: use a clear plastic cup,
water and an unsharpened pencil.



You choose the view. What changes?

Adult pours and handles the pencil.
Keep it away from faces. Wipe up spills.

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KEEP CHASING QUESTIONS

A little light. A lot to discover.

Read Gina and the Light Chase
together.



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WONDER TOGETHER · 14

Can a comb lift paper?

No glue. No grabbing.
Just a little science.



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GUESS BEFORE YOU SWIPE

Will it move?

First, Gina holds the comb close.
The paper stays on the board.

What might happen
after rubbing the comb?



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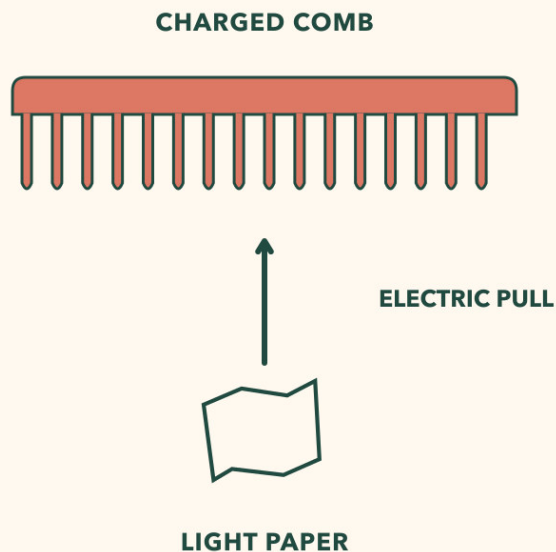
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THE PART TO REMEMBER

An invisible pull.

Rubbing can give the comb
a static electric charge.
That charge can attract light paper.



Attract means pull closer.

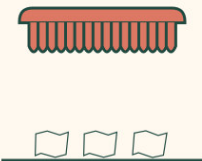
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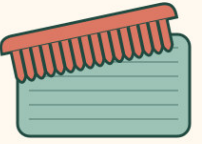
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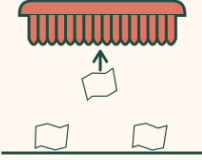
TRY IT TOGETHER

Try the paper lift.

With an adult: a dry plastic comb, wool cloth
and small torn pieces of single-layer tissue.
Use a dry, flat surface away from breezes.

- 

1 Hold the comb just above the paper without touching. What do you notice?
- 

2 Rub the comb on dry wool several times, away from the paper.
- 

3 Bring it back just as close. Keep it still. Watch, compare, then rub again to retry.

What changed after rubbing?

Adult stays close. No blowing or tasting.
Keep pieces away from faces; collect them after.

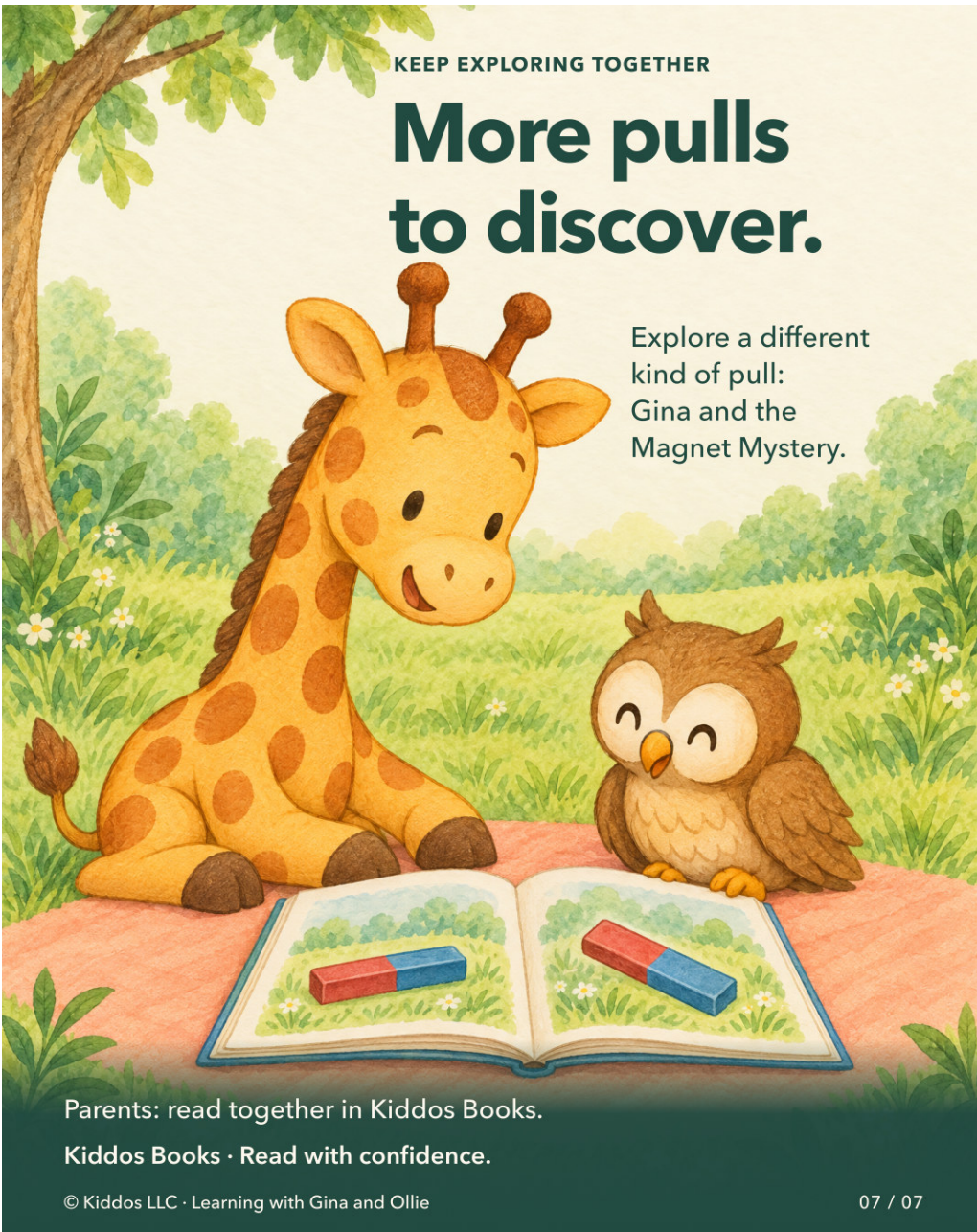
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KEEP EXPLORING TOGETHER

More pulls to discover.

Explore a different
kind of pull:
Gina and the
Magnet Mystery.



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Does shiny mean magnetic?

Meet our magnet.
Will it stick to both trays?



Both, one or neither?

Which tray will our magnet stick to?

**Make a guess.
Then swipe to test.**



LET'S TRY IT

The magnet sticks to steel.

Ollie touches the tray, then pulls gently. The magnet holds on.

The tray stays on the mat.



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LOOK AGAIN

The magnet does not stick to aluminum.

Ollie touches the tray, then pulls gently. The magnet comes away.

Same magnet. Different metal.



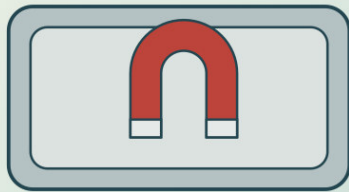
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THE PART TO REMEMBER

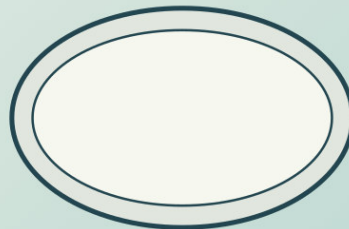
Shiny does not tell us.

A magnet sticks to some metals.
A test tells us which.



STEEL TRAY

STICKS



ALUMINUM TRAY

DOES NOT STICK

Same magnet; different metal

Predict. Test. Change your mind.

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TRY IT TOGETHER

Try a magnet test.

Child predicts. Adult tests.



- 1 Check: large, intact, enclosed toy magnet.
- 2 Touch steel. Pull gently.
- 3 Try aluminum. Then put it away.

Use smooth, cool trays.
No small, loose or high-powered magnets.
Keep from mouths. Adult stores the magnet.

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KEEP EXPLORING TOGETHER

A pull. A push. A new question.

Share the next discovery in
Gina and the Magnet Mystery.



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