

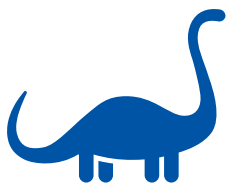
Water Cycle in a bag

Water Discovery Series



Water can be found in the ground, in rivers and lakes, or frozen in ice and snow.

Powered by the sun, Earth's water is recycled over and over again!



Did you know?

We are using the same water as the dinosaurs.

Experiment

Safety

Adult supervision or assistance may be required.

Aim

In this experiment we will explore how the water cycle works by creating a water cycle in a bag and watching it over a number of days.

Materials / Equipment

- Permanent marker
- Tape
- Plastic zip-lock bag
- Jug
- Water
- Blue food colouring (and dropper)
- Window with sunshine



Method (Instructions)

1. Draw on the bag.

- Draw some clouds and a sun near the top of the bag.
- Draw some waves to show a lake or the sea near the bottom of the bag.

2. Prepare the water (liquid).

- Fill the jug with a little bit of water.
- Add one drop of blue colouring.
- Pour the water into the bag. You might need some help.



Step 3: Find a sunny window.

- Tape the bag onto a sunny window.

Step 4: Watch and wait.

- Over the next few days, keep an eye on your water cycle in a bag.
- Show any changes you see on your results page.



Scientists always think about what might happen. They make a **prediction**.

What do you think might happen?

Share your ideas with a friend.



Name: _____

Water Cycle in a bag



Experiment results

Word Bank

Here are some words to help you explain what you saw.

precipitation	drops	evaporation
rain	running	clouds
condensation	sun	blue

Observations. What did you see?

-  On the next page, draw the changes you saw over 6 days.
-  Answer these questions about your Water Cycle in a bag experiment.
 1. Did you spill any blue dye on the sides of the bag before you stuck it to the window?
 2. Was your water cycle in a bag stuck on a sunny window?
 3. On what day did you see a cloud or fog?
 4. On what day did you see water drops?
 5. What colour were the drops running down the bag? Did they change colour?
 6. Was there condensation on both sides of the bag after the sun warmed the bag?

1. Write the day of the week on each zip lock bag.
2. Ask yourself: What did I see? What did I notice? What did I observe?
3. Draw or write your answers. You might like to use words from the word bank.

