

# WATER CYCLE IN A JAR EXPERIMENT



Earth's water is billions of years old. No new water is ever made, the same water continuously cycle around the Earth, from sea to sky.

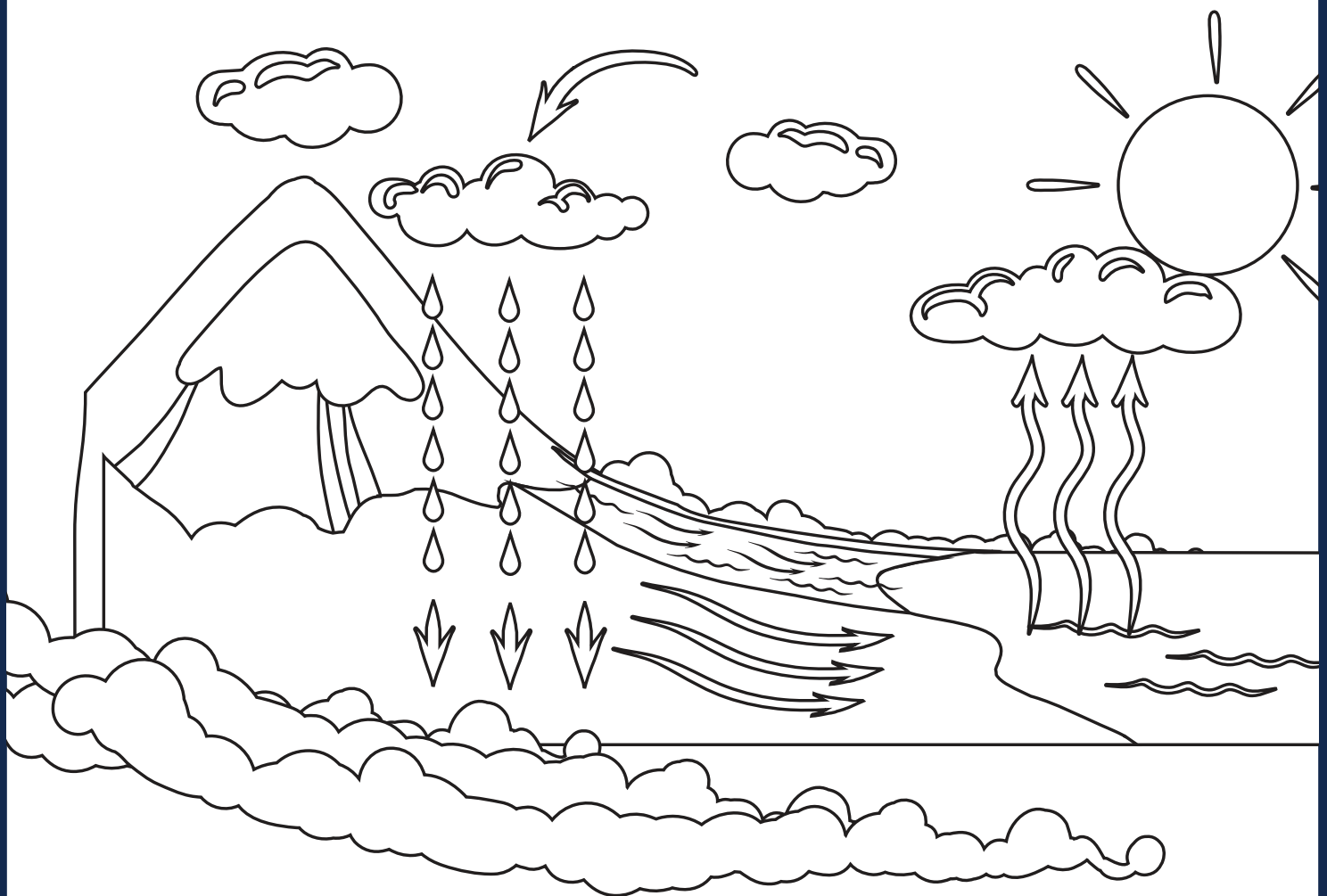
Draw your own diagram of the water cycle or label the worksheet.

EVAPORATION

PRECIPITATION

CONDENSATION

COLLECTION



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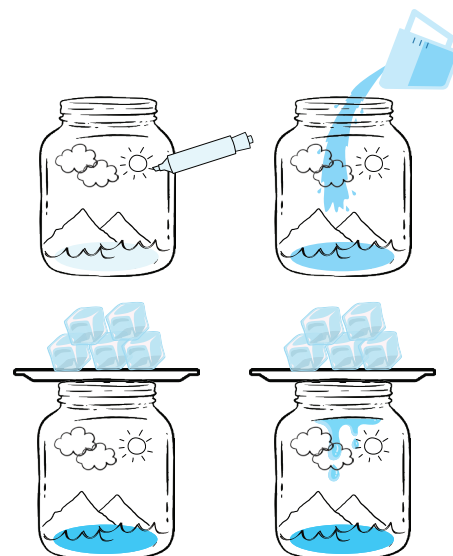
**Water is essential to survival. We need constant access to freshwater supplies to grow food, keep clean, wash our clothes and most importantly, to drink. It's important to understand the natural water cycle to appreciate the journey water takes around our earth.**

## What you need:

- Jar with a lid or small plate
- Hot water – ask an adult to assist
- Five ice cubes
- Permanent marker

## METHOD

1. Draw pictures on the side of the jar to represent clouds, sun and water.
2. Pour hot water in the jar and place the lid on top upside down.
3. Place the ice cube on the lid.
4. Observe water condensation on the sides of the jar, as they get heavier they will pool together and fall to the bottom of the jar.



## WHAT DID WE LEARN?

Sun heats water in the ocean or on land, it evaporates into the atmosphere and condensates to create clouds. When the clouds become heavy with water, it falls as precipitation or rain.

Now you know how the natural water cycle works, it's important to know there is no guarantee where the rain will fall. It could fall into other catchments, onto the land, or into the ocean.

This is why it's important to conserve what we do catch in our dams. Even though our dam and catchments are large, water can evaporate quickly, and levels can fall rapidly, especially during the warmer months. So, what can we do to conserve water and make the most of our rain that we do receive?

- **Take short showers**
- **Water the lawn or garden on your allocated watering day between 5pm–8am**
- **Switch to water efficient appliances**
- **Turn off the tap while brushing your teeth**

Small changes to our everyday water habits will make a big difference long-term. Together we can be more mindful of how we use water and protect this vital resource for a sustainable future.