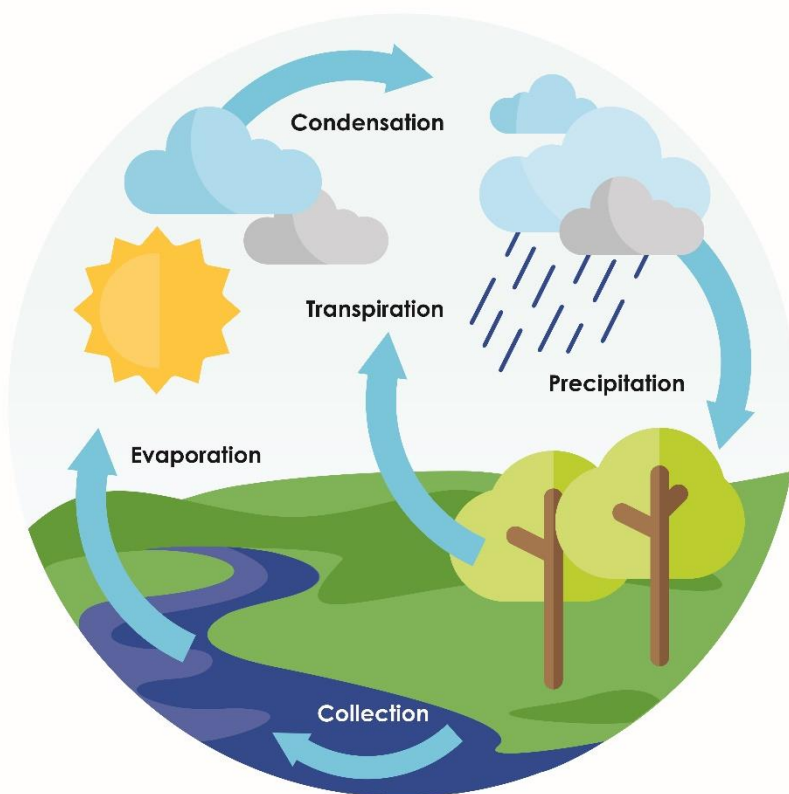


Water Cycle in a bag

Water Discovery Series

The Water Cycle in a bag experiment reveals what happens to water when it changes from a liquid to a gas and then back to liquid.

Water is **collected** on or in the ground (or in a zip lock bag!)



Powered by the sun,

↑ **evaporation** occurs.

→ **Condensation** causes clouds to form.

The clouds become heavy.

↓ **Precipitation** begins to fall.

The water then runs off the land and is **collected** on or in the ground. ←

The water cycle continues over and over again.

What is water?

Water is a liquid made from H₂O. It is made up of three parts.

One part is oxygen.

Two parts are gas called hydrogen.

The three parts join together to make H₂O.



You may have heard it sound like "h two oh".

What took place during my water cycle in a bag experiment?

Step One

Evaporation ↑

Once the sun began to shine on the water (liquid) in the bag, the water started evaporating.

The water was changing from being a liquid. It was becoming a gas.

The gas was invisible.



Step Two

Condensation (clouds) →

The gas moved upwards to the top of the zip lock bag.

It started to cool down and press together.

After a while, you would have seen (observed) condensation.

It might have looked like a little cloud or fog.

Step Three

Precipitation (rain) ↓

As the gas kept cooling down and condensing, it was turning into tiny water droplets.

The tiny water droplets become too heavy to stay on the side of the bag, so they began to fall (rain) down the side.

The water (liquid) was then **collected** at the bottom of the bag again. ←

The **water cycle** continues!