



Cloud in a jar

Clouds store fresh water, and when it falls from the sky as rain, it is collected into our freshwater catchments.

It is important that we understand how clouds form and produce rain, so we can collect as much water as we can to assure we can continue to thrive and survive in our beautiful community.



Today we are going to create a cloud in a jar!

What you need:

- > Clear jar with a lid
- > Hot water - ask an adult to help you with this
- > Ice



Method:

1. Get an adult's assistance and $\frac{1}{4}$ fill the jar with boiling hot water.
2. Place the ice on the top of the lid.
3. Rest the lid on the top of the jar.
4. Watch the steam evaporate in the top of the jar.
5. Remove the lid and watch the cloud wisps rising into the air.

What did we learn?

Now you know how clouds are formed!

It's important to know there is no guarantee where rain will fall. This is why it is important to conserve what we do catch in our catchments, as we don't always know when we will get our next rain fall in that exact spot.

So what can you do to conserve water and make the most of our rain that we do receive? Take short 4 min showers, water your garden before 10 and after 4 to avoid evaporation and sweep hard surfaces.

Together we can reduce our water usage and use our knowledge of the water cycle to our advantage!



For more experiments or educational resources visit:
hunterwater.com.au/schools