

ACTIVITY THREE: CREATE YOUR OWN WATER CYCLE

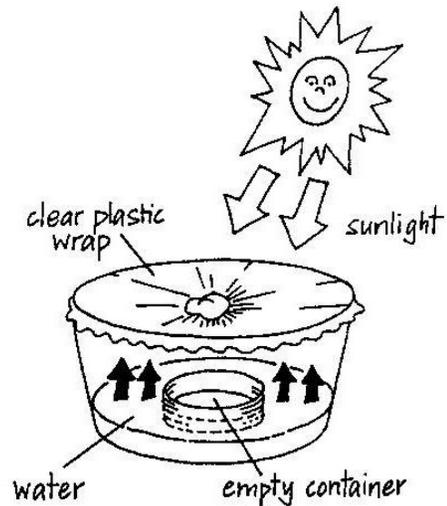
This NATURAL SCIENCES activity is a fun way of looking at part of Drip the Drop's journey!

You may like to read the story of Drip the Drop (Activity One) again, before you start this natural sciences activity.

Creating our own water cycle!

Individually if you have enough bowls, containers and clingwrap, or in groups if these materials are in short supply, let the learners:

1. Mix some salt in a glass of water. Make sure it dissolves.
2. Place a small container in the centre of a larger bowl.
3. Pour the salty water around it into the large bowl, NOT into the small container. Make sure that no water splashes into the small container.
4. Cover the top of the larger bowl with clear plastic wrap, making sure that it seals firmly. *(It must be airtight).*
5. Put a small stone in the centre of the plastic wrap, directly above the centre of the smaller container.
6. Place the bowl in direct sunlight.



(If the children are working in small groups, each child needs to contribute to the experiment in some way and so the group needs to decide who will do what).

What happens?

The water will evaporate as a result of the heat of the sun and will condense on the plastic wrap and drip into the smaller container like rain.

Questions to ask the children:

- Why do you think we added salt?
- What has happened to the salty water in the larger bowl?
- Is there any water in the smaller container? Taste it! What does it taste like? *Remind the children of the story of Drip the Drop and how he lost his saltiness when he evaporated out of the ocean and into the sky.*
- What do you think would have happened to the water if we had left the clingwrap off?
- What task did each child do? How did the group decide who would do what?

Remember that in the natural water cycle, the water that falls to Earth as rain, would eventually reach the ocean again and the cycle would continue. In our experiment above, we are not completing the full cycle as the evaporated water is not returning to the salty 'seawater'.

Criteria to assess learners during this natural sciences lesson

Criteria	Exceeded requirements of the Learning Outcome	Satisfied requirements of the Learning Outcome	Partially satisfied requirements of the Learning Outcome	Not satisfied requirements of the Learning Outcome
The learner discussed with the teacher (if done individually) or in the group who was going to do what during the construction of the water cycle system				
The learner played a role in carrying out instructions given by the teacher				
The learner could explain what he/she did during the construction of the water cycle system				
The learner was curious about what might happen if the clingwrap was left off the larger bowl				