

Water Cycle Experiments

Activity 1

A puddle forms on the ground on a rainy day. When the rain stops and the Sun comes out, what do you predict will happen to the puddle?

Tick the answer you think is right.

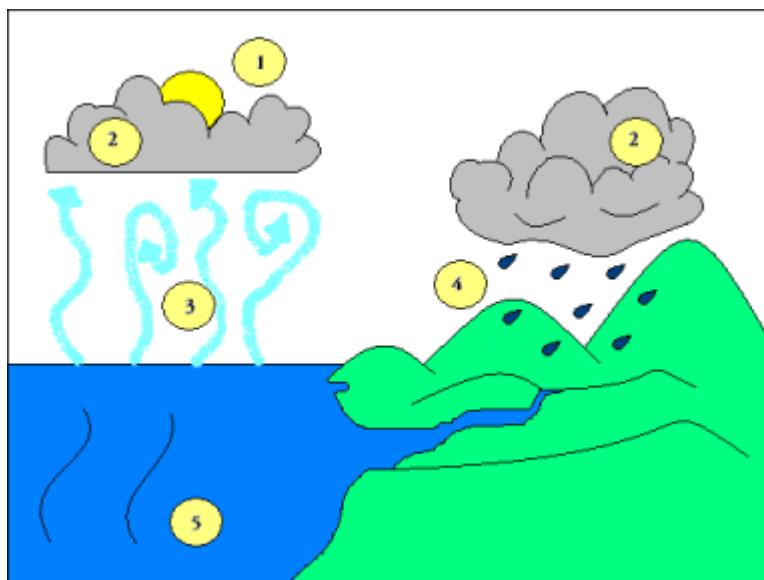
- ☐ The puddle will get bigger.
- ☐ The puddle will gradually disappear.
- ☐ The puddle will stay the same.
- ☐ The puddle will gradually get bigger and then get smaller.



Give a reason for your answer.

Activity 2

Below is a picture of the water cycle.



Which number shows evaporation?

Why is the Sun important in the water cycle?

Challenge Make a water cycle

You will need:

- A clear container (a Pyrex dish would work well)
- A yoghurt pot
- A rubber band or string
- Clear plastic or cling film
- A stone or weight
- Coloured water (can be coloured with food colouring or ink)

Method:

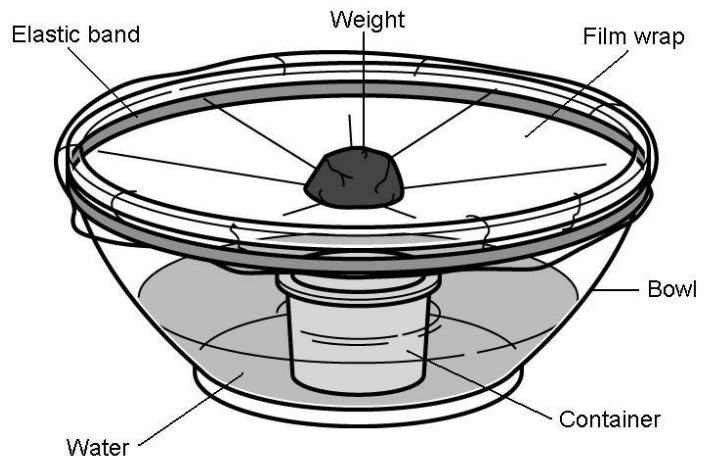
Place a yoghurt pot in the middle of the large, clear bowl, as in the diagram below.

Fill the bowl with a little water and make sure none goes into the yoghurt pot.

Cover the bowl with film wrap and fasten the film around the rim of the bowl with your rubber band or string.

Put a stone on top of the film wrap, in the centre.

Now put your contraption on a windowsill or somewhere that the sun will shine on it.



How long does it take for water to evaporate and condense on the film wrap?

Where does the water go after it condenses on the film wrap?
