

Year 7 Water in the World.

Water Cycle in a Bag Experiment

Instructions:

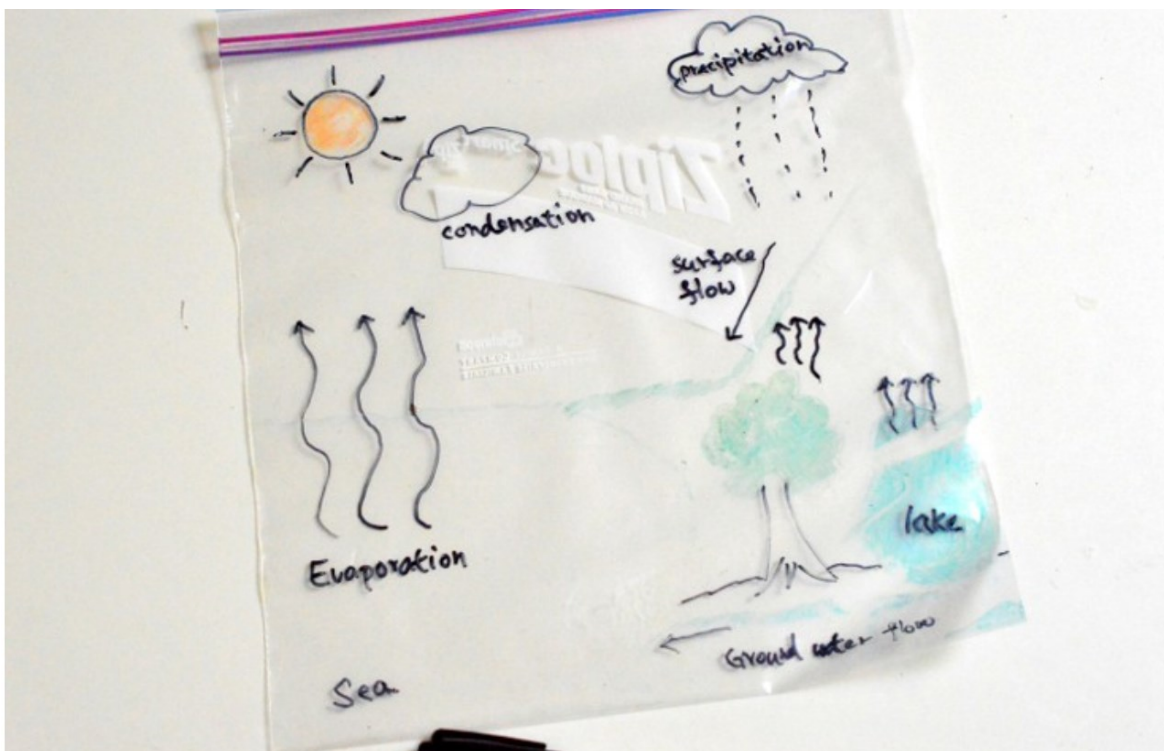
Materials needed:

- a zip-lock plastic bag
- permanent markers in a variety of colours
- water
- blue food colouring
- packaging tape (to stick bags to window)

Prior knowledge:

- Students will be familiar with the water cycle and the following key terms:
- Precipitation
- evaporation
- condensation

- 1) Ask students to draw a diagram of the water cycle in their workbooks. Students can peer assess each other's work.
- 2) Model how to draw the same diagram onto a plastic zip-lock bag for the students.



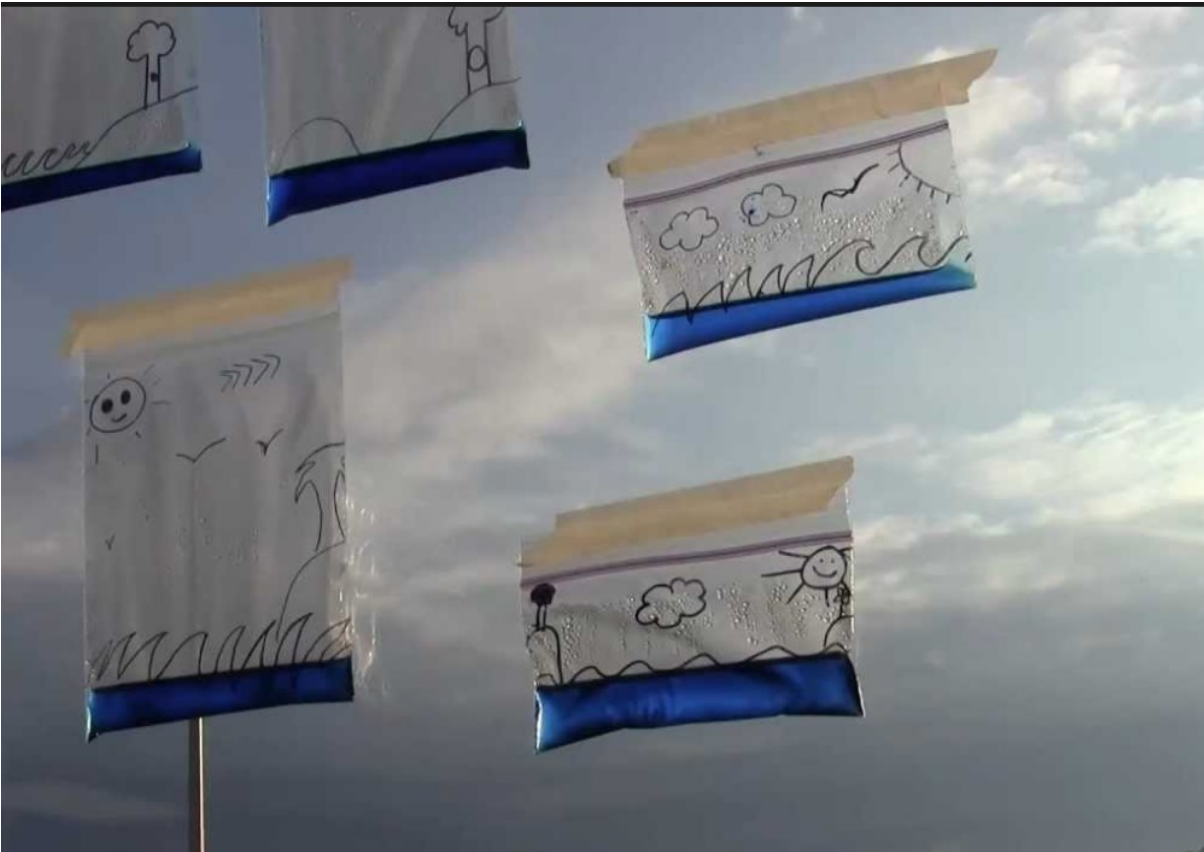
Source: <https://www.rookieparenting.com/what-is-water-cycle/>

- 3) Students draw their version onto the zip-lock bags.
- 4) Teacher fills up the bags with water to a certain level.



Source: <https://www.rookieparenting.com/what-is-water-cycle/>

- 5) The sealed bag is taped to the window. Students can observe the process over a few lessons. HINT: It works better when there is sun on the window.



Source: <https://www.youtube.com/watch?v=4WQBtAjxMby>

Differentiation:

You can make this activity more complex with the addition of more key terms or landforms.

There are many different versions of this activity. Simply google: Water cycle plastic bag lesson plan and you will find one.

Have fun!