

# Water Cycle Wheel

All the water on the Earth has been around forever.

The water cycle keeps our water supply going around and around.

## Have you ever seen water drops on a plant?

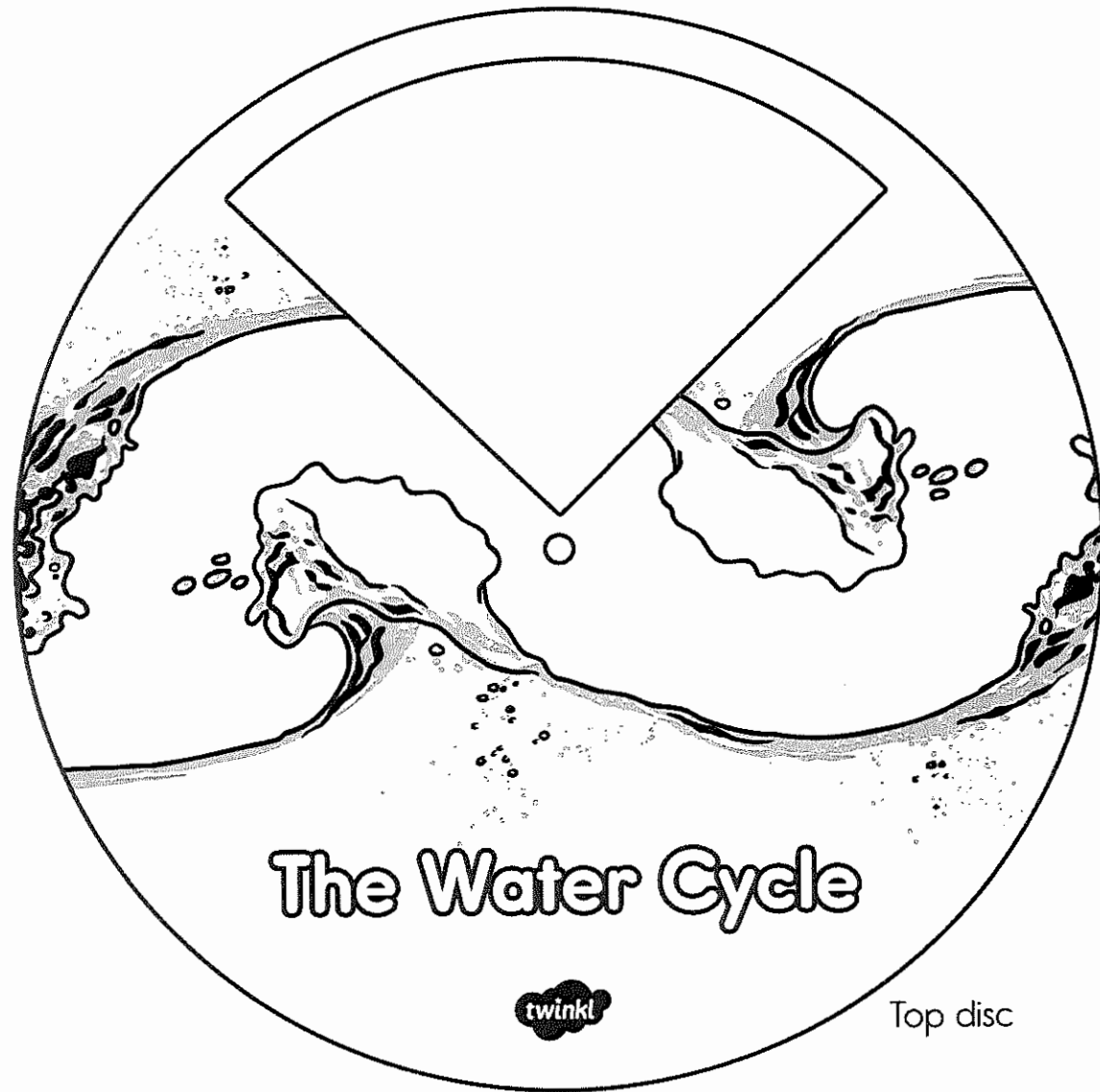
No, it's not sweating. Plants are going through transpiration, in which the plants lose water through their leaves. Transpiration helps out by putting water vapor back into the air.

## Do you know that you have seen condensation at work?

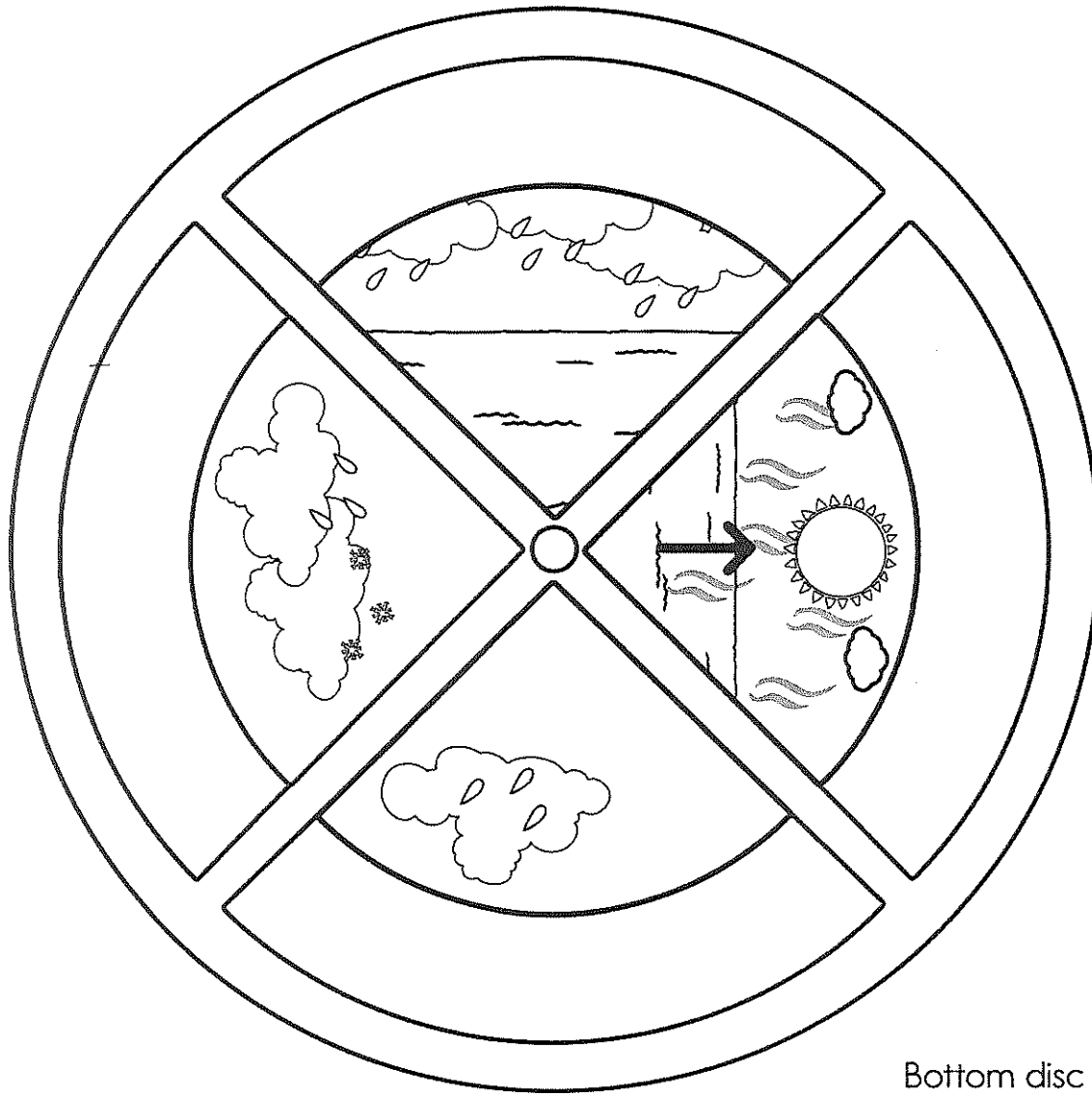
If you've ever had a drink in a cold glass or a can and the air is warm outside, you'll see water drops on the outside of the glass. This is because the water vapor in the warm air is being cooled back down into a liquid on the surface of the glass or can.

## Instructions:

Cut out both discs. Place the top disc over the bottom disc and fix together. Line up the images and text on the bottom disc with the cut-out window on the top disc to create your water cycle wheel.



# Water Cycle Wheel



**Evaporation**  
The \_\_\_\_\_ heats up the rivers, lakes, and even the ocean, turning water in to \_\_\_\_\_. The water vapor rises into the air.

**Precipitation**  
So much water collects in the air that the air cannot hold it anymore. The clouds get \_\_\_\_\_, and the water falls as rain, sleet, or \_\_\_\_\_.

**Accumulation**  
The water from the rain, \_\_\_\_\_, and snow falls back into rivers, lakes, and oceans. This allows the cycle to \_\_\_\_\_ all over again.

**Condensation**  
Water vapor in the air becomes a \_\_\_\_\_ and comes together to form \_\_\_\_\_.

# The Seasons of Earth

1. Read the statements below. Check the box next to the true statements.

- The seasons are caused by the Earth being closer or farther from the sun.
- The Earth orbits the sun in a perfect circle.
- The seasons happened due to the Earth being tilted on its axis (23.5°).
- The Earth's hemispheres receive direct sunlight in the summer and indirect sunlight during the winter.

2. Describe the position of the Northern Hemisphere in relation to the sun during the winter months.

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3. During the summer months, the United States feels warmer than during the winter. Explain why this happens.

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## Challenge Activity

Create a model to explain the seasons to a friend or family member. You could use an apple to represent the Earth and a flashlight as the sun. A wooden skewer could be used as an axis.