

Grade 3
Reading Science
The Journey of a Water Droplet

Welcome, young scientists, to the fascinating journey of a water droplet through the water cycle! The water cycle is a continuous process that water goes through, moving from the Earth's surface to the atmosphere and back again. Let's dive in and explore this amazing cycle together!

Our journey begins in the ocean, where a water droplet named Wally is enjoying the waves. The sun is shining bright, and its heat causes Wally to get excited and start moving faster. This process is called evaporation. Evaporation turns water from a liquid into a gas called water vapor. Wally, now a water vapor, rises up into the sky.

As Wally goes higher, the air gets cooler. Cool air makes Wally slow down and come together with other water droplets, forming clouds in a process called condensation. The clouds get heavier and heavier as more droplets join in.

One day, the clouds become too heavy, and Wally falls down as rain, a part of the precipitation process. However, not all precipitation is rain; it can also be snow, sleet, or hail depending on the temperature. Since it is warm today, Wally falls as rain.

Wally lands in a beautiful, clear lake. He spends some time here, mingling with other water droplets. Some of the water in the lake also goes into the ground, a process called infiltration. The water underground can be used by plants or end up in rivers and lakes.

After a while, Wally decides to continue his journey. He travels from the lake to a river and finally back to the ocean, completing the water cycle.

Now, let's see what you have learned about Wally's journey through the water cycle with some questions!

Multiple Choice Questions:

1. What is the water cycle?
 - a) A type of bicycle
 - b) The journey water takes from the Earth's surface to the atmosphere and back
 - c) A cycle found in the ocean
 - d) A cycle that happens once a year

2. What process turns water into water vapor?
 - a) Condensation
 - b) Precipitation
 - c) Evaporation
 - d) Infiltration

3. What is Wally's state when he is in the clouds?
 - a) Liquid
 - b) Gas
 - c) Solid
 - d) Plasma

4. What process causes clouds to form?
 - a) Evaporation
 - b) Condensation
 - c) Precipitation
 - d) Infiltration

5. What happens to the clouds when they become too heavy?
 - a) They float higher in the sky
 - b) They cause a storm
 - c) They fall as precipitation
 - d) They disappear

6. What is precipitation?
 - a) Water turning into gas
 - b) Clouds forming
 - c) Water falling from the clouds
 - d) Water moving underground

7. What process allows water to go into the ground?

- a) Evaporation
- b) Condensation
- c) Infiltration
- d) Precipitation

8. Can precipitation be snow?

- a) Yes
- b) No

9. Where does the water cycle start and end?

- a) In the clouds
- b) In the ocean
- c) On mountains
- d) It has no start or end

10. What did Wally the water droplet turn into when he was heated by the sun?

- a) Ice
- b) Steam
- c) Water vapor
- d) Rain

1. Answer: b) The journey water takes from the Earth's surface to the atmosphere and back
Explanation: The water cycle is the continuous process that water goes through, moving from the Earth's surface, into the atmosphere, and back down again.

2. Answer: c) Evaporation Explanation: Evaporation is the process that turns water from a liquid state into a gaseous state, known as water vapor.

3. Answer: b) Gas Explanation: When Wally is in the clouds, he is in the form of water vapor, which is a gaseous state.

4. Answer: b) Condensation Explanation: Condensation is the process where water vapor cools down and changes back into liquid form, leading to the formation of clouds.

5. Answer: c) They fall as precipitation Explanation: When clouds become too heavy with water droplets, they fall as precipitation, which can be in the form of rain, snow, sleet, or hail.

6. Answer: c) Water falling from the clouds Explanation: Precipitation is the process where water falls from the clouds in the form of rain, snow, sleet, or hail.

7. Answer: c) Infiltration Explanation: Infiltration is the process where water on the ground surface enters the soil, moving underground.

8. Answer: a) Yes Explanation: Precipitation can be in various forms depending on the temperature, and snow is one of them.

9. Answer: d) It has no start or end Explanation: The water cycle is a continuous process with no specific starting or ending point.

10. Answer: c) Water vapor Explanation: When Wally the water droplet was heated by the sun, he turned into water vapor through the process of evaporation.