

Water Cycle Review

Week 22 — Friday | Evaporation, Condensation, and Precipitation

Reading Time

This week we studied the **water cycle** in depth. We learned that water on Earth is always moving in a never-ending loop called a cycle. The four main stages are **evaporation**, **condensation**, **precipitation**, and **collection**. The sun provides the energy that makes this cycle happen. Without the sun's heat, water would not evaporate, clouds would not form, and rain would not fall.

We explored different types of **precipitation**. Rain is the most common type of precipitation and falls as liquid water. Snow falls when the air is freezing cold and water freezes into ice crystals before reaching the ground. Sleet is rain that freezes into ice pellets as it falls through cold air. Hail forms inside strong storm clouds when water freezes into balls of ice that bounce up and down, growing larger each time.

We conducted a **water cycle in a bag** experiment to see the water cycle in action. We learned that the sun warms water, causing evaporation. Water vapor rises and cools, causing condensation on the plastic. Water droplets grow larger and fall, showing precipitation. We also acted out the water cycle and drew detailed diagrams. Understanding the water cycle helps us understand weather, plant growth, and where our drinking water comes from.

Reading Questions

1. What provides the energy for the water cycle?

2. Name the four types of precipitation and describe each one briefly.

3. How does the water cycle in a bag model the real water cycle?

4. Why is the water cycle important for all living things on Earth?

Vocabulary Grid

Write a definition or draw a picture for each word.

 **Evaporation**

 **Condensation**

 **Precipitation**

 **Collection**

 **Water Vapor**

 **Transpiration**

Water Cycle Stages Chart

Fill in the complete chart about each stage of the water cycle.

Stage	What Happens	What Causes It	Example You Can See
Evaporation			
Condensation			
Precipitation			
Collection			

Order the Water Cycle

Number the sentences 1 through 6 in the order they happen in the water cycle.

Event	Order
Water vapor cools and forms clouds in the sky.	
Rain falls from the clouds to the ground.	
Water collects in rivers, lakes, and oceans.	
The sun heats water in an ocean.	
Water turns into water vapor and rises into the air.	
Water from rain flows into a river.	

Draw and Label a Water Cycle Diagram

Draw a complete water cycle diagram showing all four stages. Include the sun, ocean, clouds, rain, a mountain, a river, and a plant. Use arrows to show the direction of water movement. Label each stage clearly.

Science Journal: Water Cycle

Think about the water cycle and how it connects to your everyday life. Answer each prompt.

Prompt 1: Think about the last time it rained. Trace that rain back through the water cycle. Where did that water come from originally?

Prompt 2: How does the water cycle help plants grow? Which stages are involved?

Prompt 3: Imagine you are a water drop. Describe your journey through one complete water cycle from start to finish.

True or False — Circle Your Answer

- ☐ 1. The sun provides energy for the entire water cycle.
- ☐ 2. Evaporation turns water vapor into liquid water.
- ☐ 3. Condensation forms clouds in the sky.
- ☐ 4. Snow, sleet, and hail are all types of precipitation.
- ☐ 5. The water cycle stops during winter.
- ☐ 6. Transpiration is when plants release water vapor through their leaves.
- ☐ 7. Collection happens when water gathers in oceans, lakes, and rivers.
- ☐ 8. Water vapor is visible like steam from a kettle.

Fill in the Blanks

Word Bank: evaporation condensation precipitation collection transpiration snow sleet hail

- 1. The sun heats water and it turns into vapor during _____.
- 2. Water vapor cooling into clouds is called _____.
- 3. Water falling from clouds is called _____.
- 4. Water gathering in bodies of water is called _____.
- 5. Plants release water vapor through a process called _____.
- 6. Frozen precipitation that falls as ice crystals is _____.
- 7. Rain that freezes into ice pellets while falling is _____.
- 8. Balls of ice that form in storm clouds are _____.

★ Week 22 Checklist

Check off each concept you feel confident about.

Concept	I Understand This
I can name and describe all four stages of the water cycle.	
I can explain what causes each stage of the water cycle.	
I can name and describe four types of precipitation.	
I can draw and label a complete water cycle diagram.	
I understand how the water cycle in a bag models the real water cycle.	
I can explain why the water cycle is important for living things.	