

Stewards of the Sea

LEARNING ABOUT THE WATER CYCLE

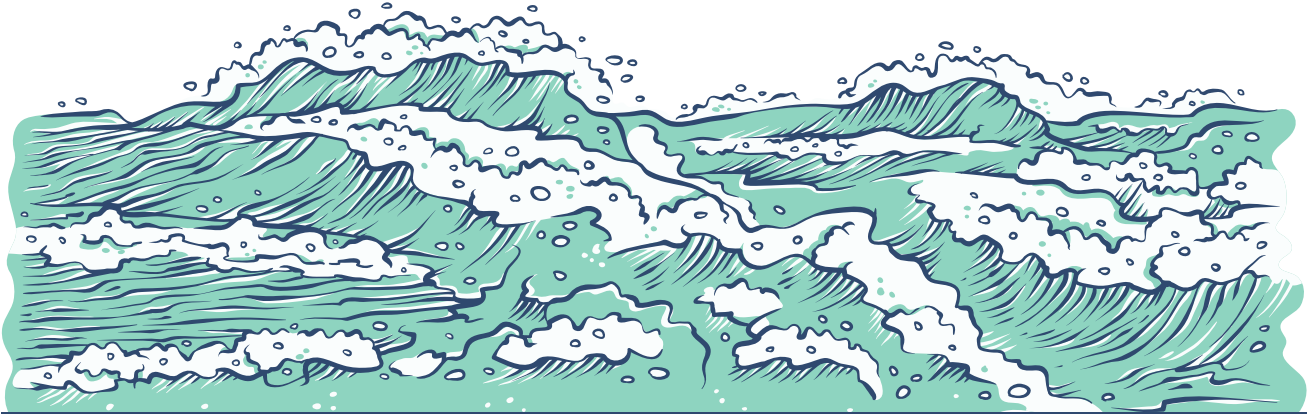
Grades: 3-5

Objective: All water on Earth is connected and we are connected to it. Through this reading comprehension activity students will gain a basic understanding of the water cycle and the ocean's place within it.

Sources: Britannica Kids, CILC Maker Space, Happy Learning, Learn Bright

CILC Curricular Resources &

MAKER
SPACE



USING THIS RESOURCE

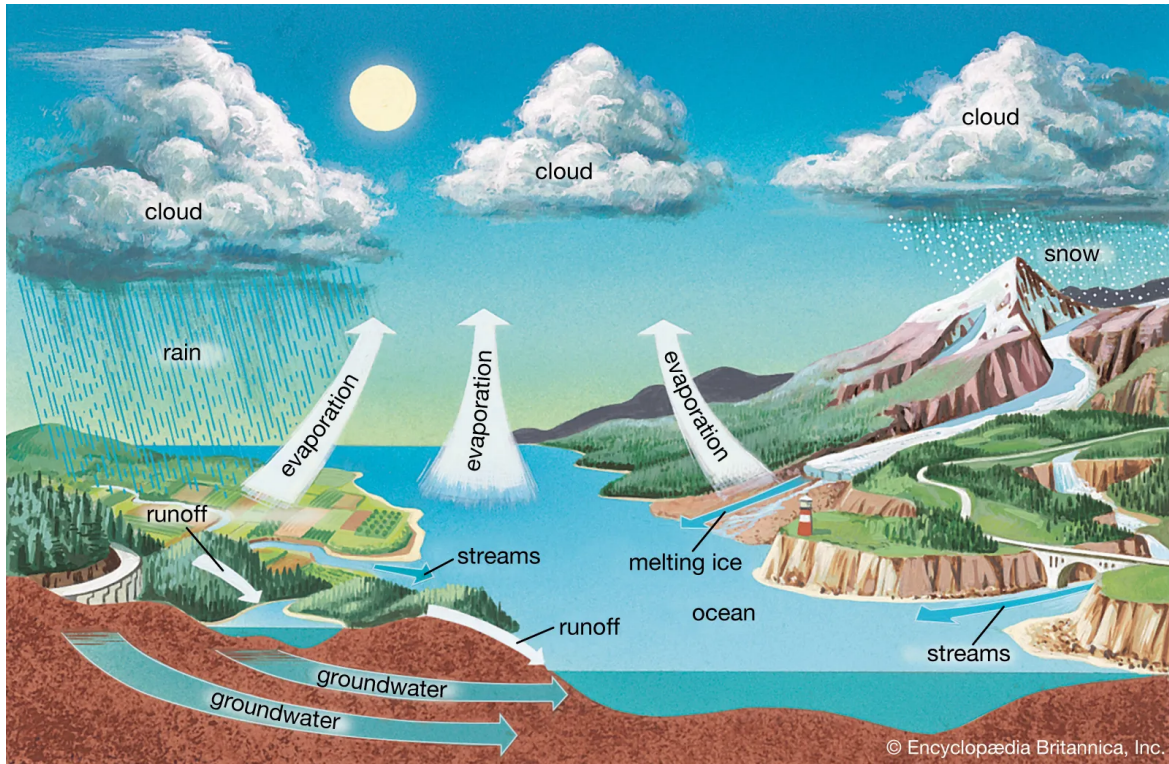
Before attending the program "SOS: Stewards Of The Sea" at the Pacific Marine Mammal Center, students will need to gain some familiarity with the water cycle and begin understanding the ocean's place within it. The included essay, graphic organizer, and videos can help them get started.

What's Inside?

1. The Water Cycle from Britannica Kids
2. Graphic Organizer for Note-Taking
3. Video Links to Reinforce Reading

The Water Cycle

<https://kids.britannica.com/kids/article/water-cycle/476333>
retrieved 04.19.22



INTRODUCTION

Water is present on Earth in three states: gas, liquid, and solid. The amount of water on the planet and in its atmosphere remains the same, but it moves around constantly in these three states. The way water moves around Earth is called the water cycle.

EVAPORATION AND CONDENSATION

Liquid water is present in seas, oceans, rivers, and lakes. When it is heated, liquid water forms a gas, or vapor. The process by which liquid water becomes a vapor is called evaporation. When water in a puddle is warmed by the sun it evaporates into invisible vapor. It does not disappear; it still exists, just in a different state.

When water vapor in the atmosphere cools, or the air can no longer hold the amount of water vapor it contains, the water returns to a liquid state, such as rain. The process by which water vapor becomes a liquid is called condensation. Condensation is the opposite, or reverse, of evaporation.

HOW THE WATER CYCLE WORKS

When liquid water from oceans and seas evaporates, it forms clouds in the sky. The wind pushes these clouds over land, where the water vapor condenses and becomes rain or snow. Some of the rainwater joins rivers and flows down to the ocean or sea, completing the cycle.

Some of the world's water is held as a solid, called ice, and this is also part of the water cycle. When the ice on cold mountaintops melts, liquid water flows into rivers and returns to the sea.

The logo for Britannica Kids, featuring the text "Britannica Kids" in a serif font. The word "Britannica" is in a dark color, and "Kids" is in a lighter, italicized color. To the left of the text is a small, stylized illustration of a tree or plant.

Name _____

Taking Notes

Directions: Use this organizer to take notes on the essay.

list of key words

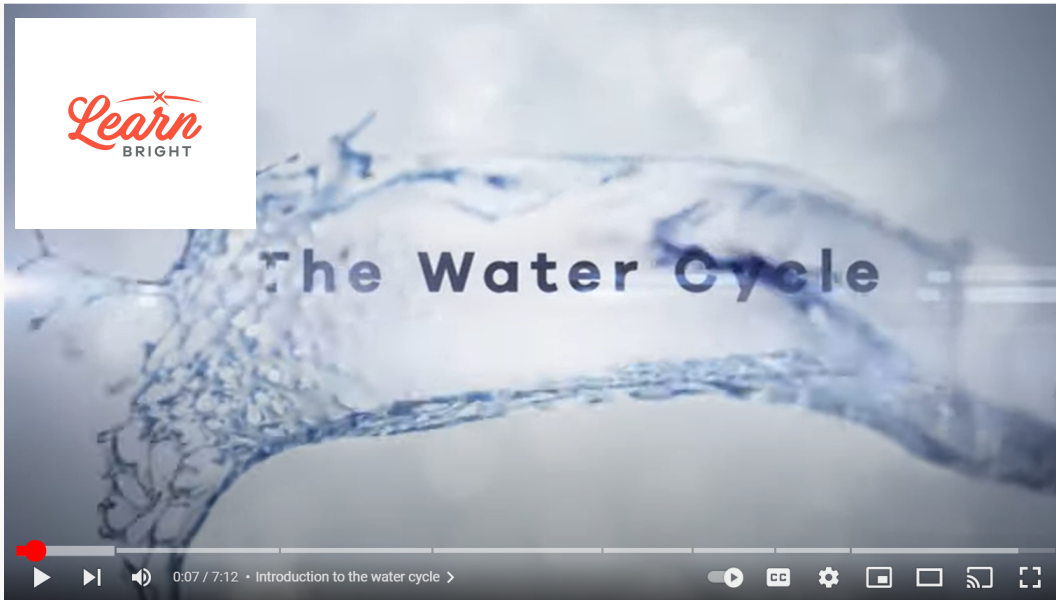
words I need to define

summary of main points

interesting facts

questions I have

Water Cycle Video Resources



URL: <https://www.youtube.com/watch?v=TD3XSIE4ymo>

Running Time: 7:12

Source: Learn Bright



URL: <https://www.youtube.com/watch?v=y5gFI3pMvol>

Running Time: 3:56

Source: Happy Learning