



The Water Cycle

Ms. Abero's 4th Grade Class

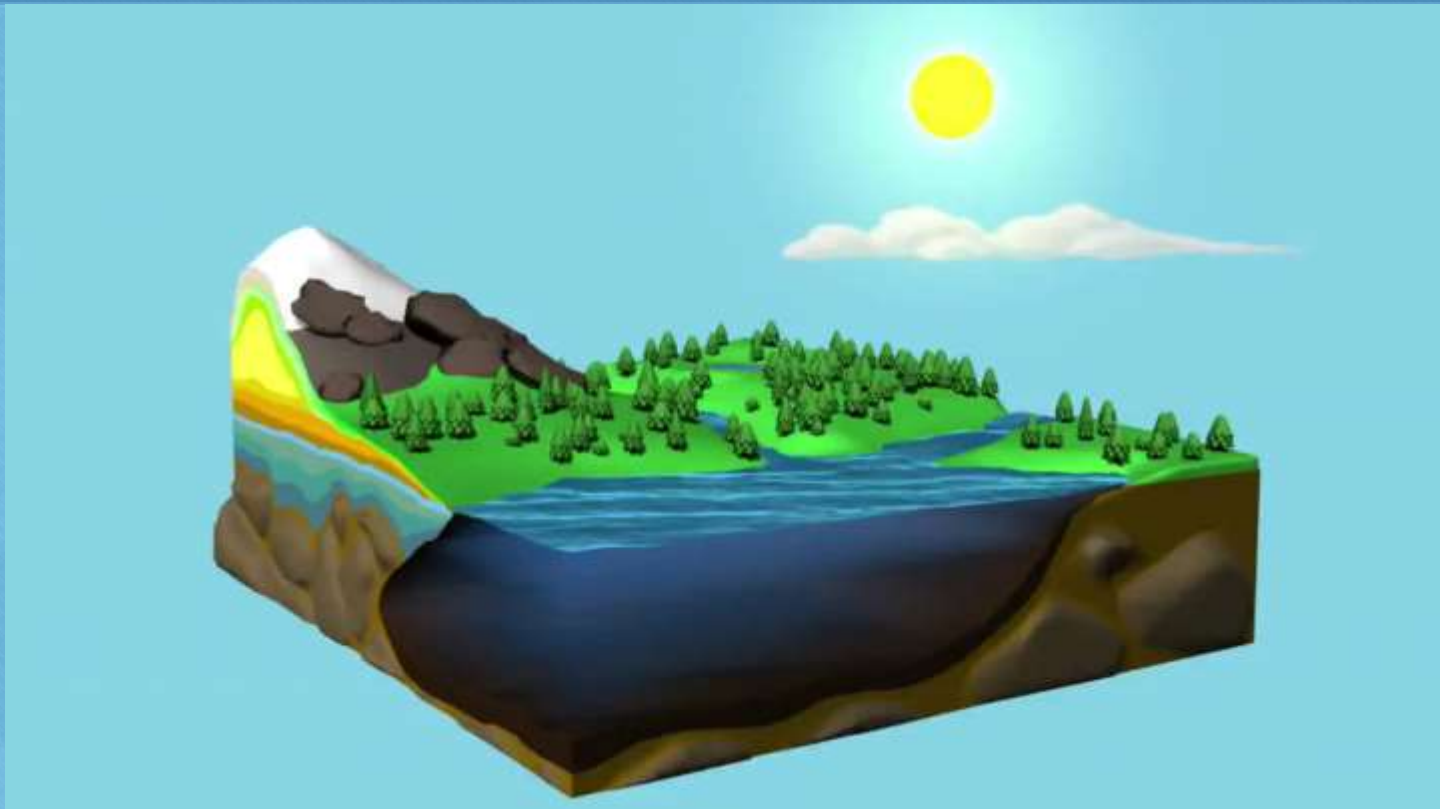


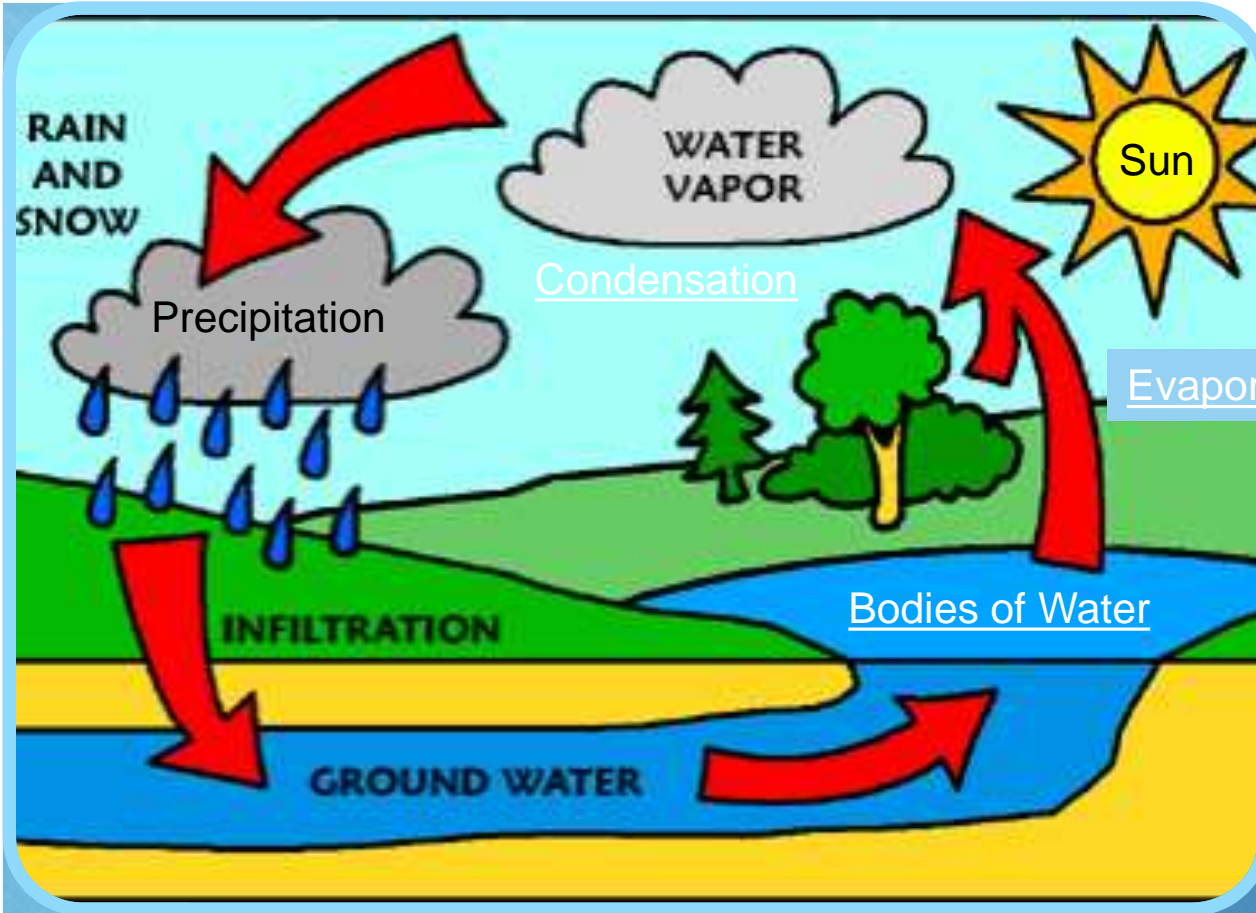
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The Water Cycle clip





Click the words on the picture to learn more

The Water Cycle

-The Hydrological or Water Cycle is the process that is continually recycling the water on the Earth.





The Sun

- The sun is the source of energy that drives the water cycle.
- The sun warms the Earth's surface and heats it.
- When the water is heated it turns to a vapor and rises.
-





Evaporation

- Evaporation is the process in which water is turned from a liquid to a vapor.
- Heat is the energy that breaks the bond of water molecules so they can rise.
- Evaporation from the ocean makes up 80% of precipitation.



Water Vapor

- Water vapor is water in the form of gas.
- Forms of vapor: clouds, steam, and fog.



Condensation

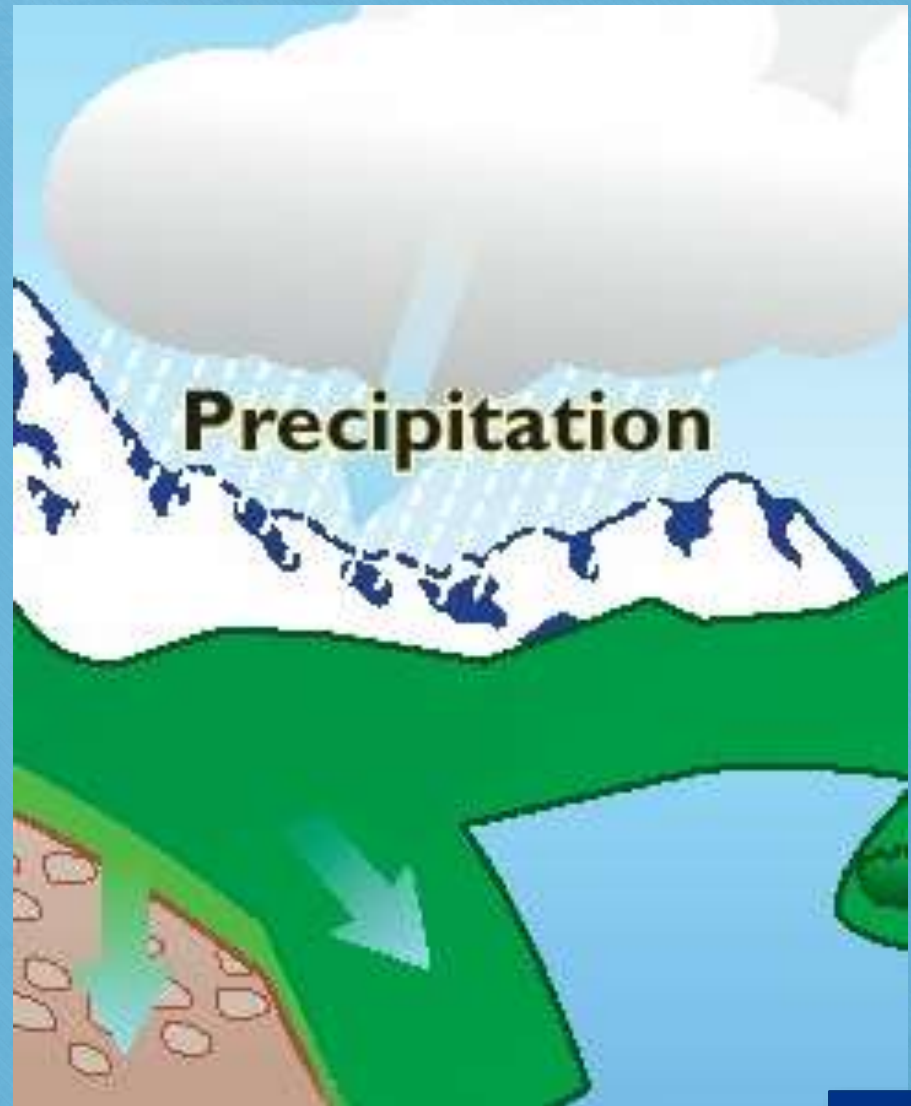
- Condensation is the opposite of evaporation.
- Condensation is the process in which vapor is turned back into a liquid.
- The water particles rise and form clouds.

Condensation



Precipitation

- Precipitation is caused once water particles in clouds get so heavy they fall.
- Precipitation is the product of condensation.
- Forms of precipitation: rain, snow, hail, and sleet,



Forms of Precipitation

- Rain
- Snow
- Hail
- Sleet



A stylized illustration of a bright yellow sun with a blue circle in the center, partially obscured by blue and white clouds. The background is a gradient of blue, representing a sky and water surface.

Water Cycle Song

<https://youtu.be/TWb4KIM2vts>

<https://www.youtube.com/watch?v=TWb4KIM2vts>





Infiltration

- Infiltration is the process in which water on the ground enters the soil.
- The water moves underground between rock and soil.



Bodies of Water

- The amount of water on Earth is always the same.
- 97% of water is in oceans.
- 2.4% of water is frozen in glaciers.
- .5% of water is groundwater.
- .01% of water is in lakes and rivers.
- Only 3% of water on Earth is fresh water.





Groundwater

- Groundwater is water under the ground in the soil and rock fractures.
- Groundwater is also called an aquifer.
- Groundwater can flow to meet other bodies of water like rivers or lakes.





Assignment

Materials

- Partner
- Clock
- Journal

Tasks

- Create a water cycle poster with your group.
- Show all parts of the cycle and 4 types of precipitation





Core Curriculum

- 4th grade Science
 - Standard #1- Students will understand that water changes state as it moves through the water cycle.
 - Objective #2- Describe the water cycle
 - B. Describe the process of evaporation, condensation, and precipitation as it relates to the water cycle.





Work Cited

- Edwards, J., (September, 2002). Soakin' Up The Sun. Retrieved from <http://www.uen.org/Lessonplan/preview?LPid=2418>





Links

- ◊ [Discovery Education- Water Cycle](#)
- ◊ [Thistin's Water Cycle](#)
- ◊ [Earth Guide Diagram](#)

