



Earth Science Virtual Learning

**HS Earth Science/
The Water Cycle**

April 16, 2020



HS Earth Science
Lesson: April 16, 2020

Objective/Learning Target:

Students will be able to describe the processes that take place in the water cycle.



Warm Up Activity

1. Which type of heat energy transfer could be described as sun rays hitting Earth?
2. Which type of heat energy transfer could be described as a child touching a hot stove?
3. Which type of heat energy transfer could be described as warm air rising and cool air sinking?



Warm Up Activity

1. Radiation
2. Conduction
3. Convection

Lesson Activity:

1. Watch this [short video over the water cycle](#). As you watch the video, take key notes over concepts or terms.
2. Once you have watched this video, [read this article over the water cycle](#). Again, taking careful notes over key concepts and terms.
3. Draw a visual representation of the water cycle. This can be done on paper, with sidewalk chalk outside, or any other way you can think to be creative with it.

You will use the information from the video, article, and your visual to answer the questions that follow.

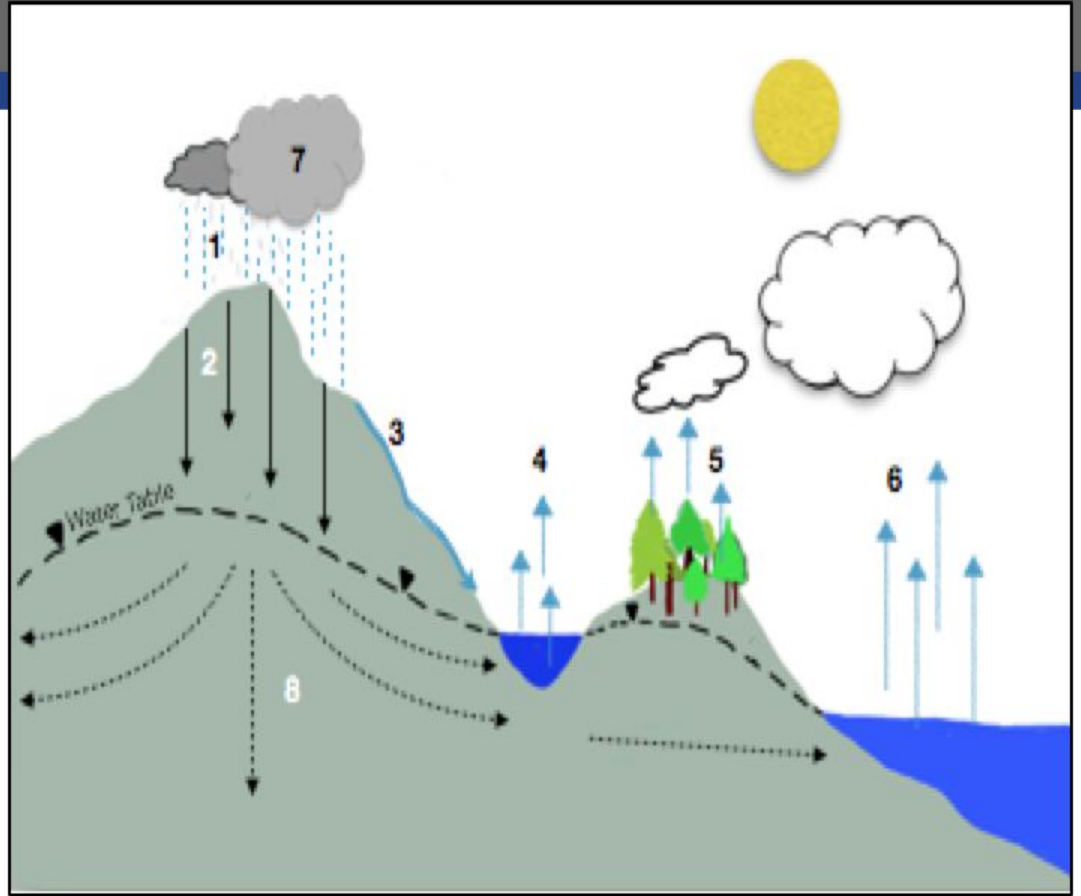
Practice: Use the information from the lesson activity to answer the questions.

1. Can you match these vocabulary terms to their definition?

Precipitation	The transfer of liquid water to a gas form
Evaporation	The transfer of water in gas form into water in liquid form
Condensation	The movement of liquid water from a plant into water in gas form in the air
Transpiration	The transfer of liquid/solid water from the air to the ground

Practice

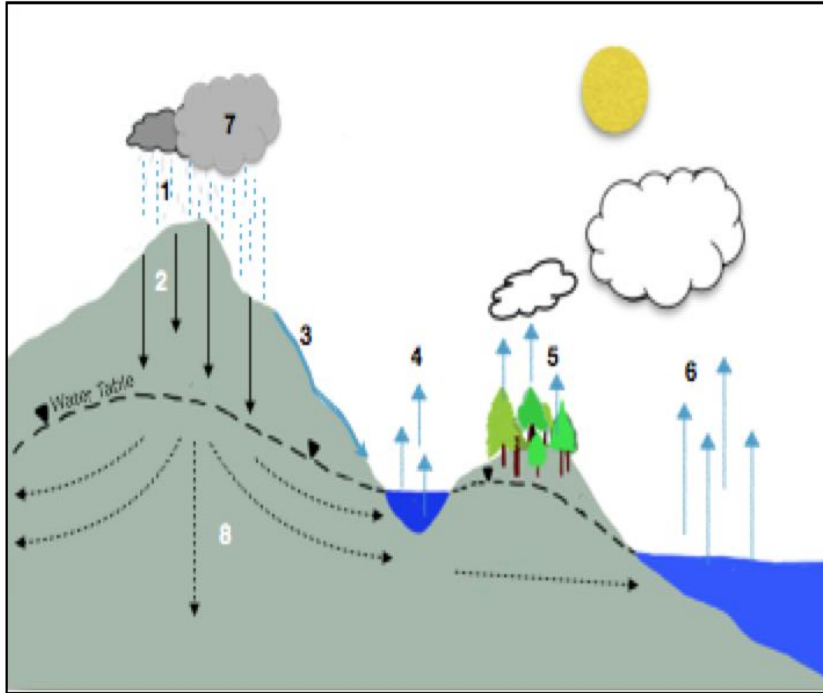
Imagine that you are a water molecule on a journey through the hydrologic cycle. Identify the process that is occurring at each numbered location on the diagram.



Practice Answer Key

Precipitation	The transfer of liquid water to a gas form
Evaporation	The transfer of water in gas form into water in liquid form
Condensation	The movement of liquid water from a plant into water in gas form in the air
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Practice Answer Key



Answer Key

1. Precipitation
2. Subsurface Flow
3. Runoff
4. Evaporation
5. Transpiration
6. Evaporation
7. Condensation



Extra Practice

Try your luck on this short guided [reading quiz over the water cycle](#).



Extra Resources

Still confused, [This link offers more explanation.](#)

Here is a [Water Cycle Webquest](#) to help you learn more about the water cycle.

Here is a [Water Usage Audit](#) if you are curious to see how much water you use in a day.