Vocabulary Matching Words

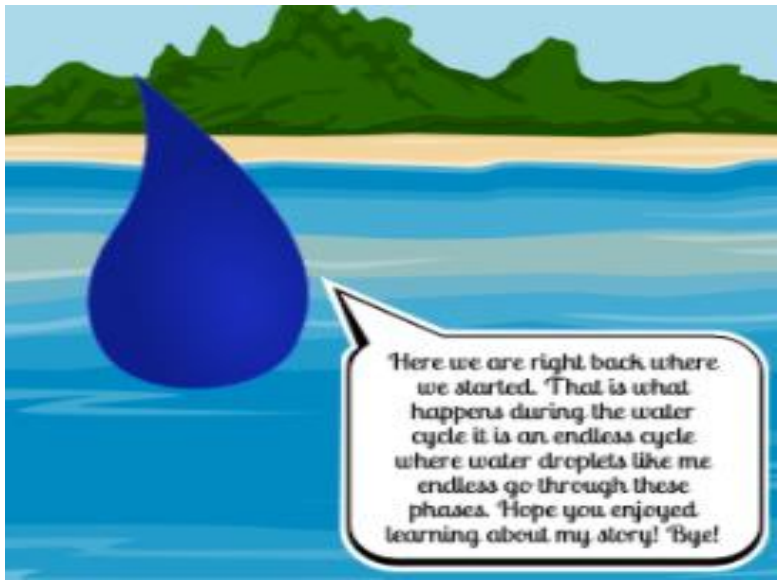
The water cycle! 	Evaporation 
Condensation 	Precipitation 

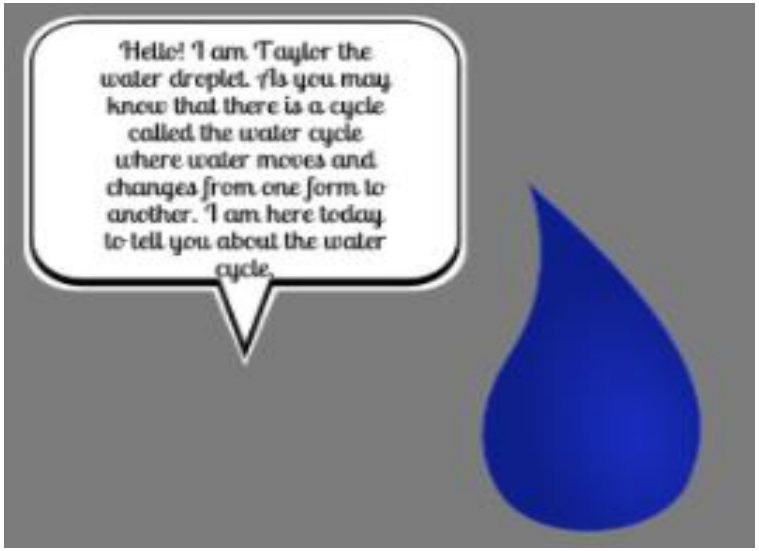
Vocabulary Matching Definition

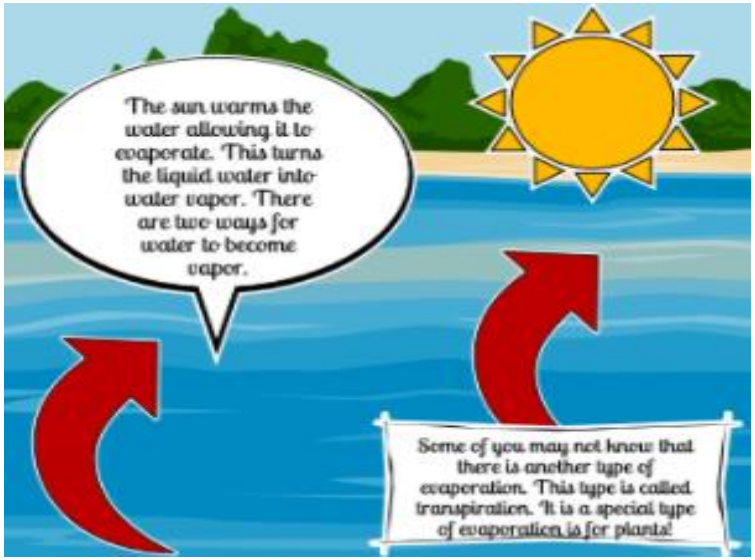
Precipitation is condensed water vapor that falls to the Earth. This most often is in the form of rain but can change depending on the weather. Precipitation can fall to Earth as snow, fog or sleet too.	There are important concepts you should be familiar with before we go over the steps of the water cycle. The first concept is evaporation. Evaporation is the transformation of water from liquid to gas.
The water cycle is the continuous cycle of water on Earth. Without it, we would not survive! It is a very intricate cycle and each step is critical!	Condensation is the transformation of water vapor into liquid water droplets in the air. This creates clouds and fog.

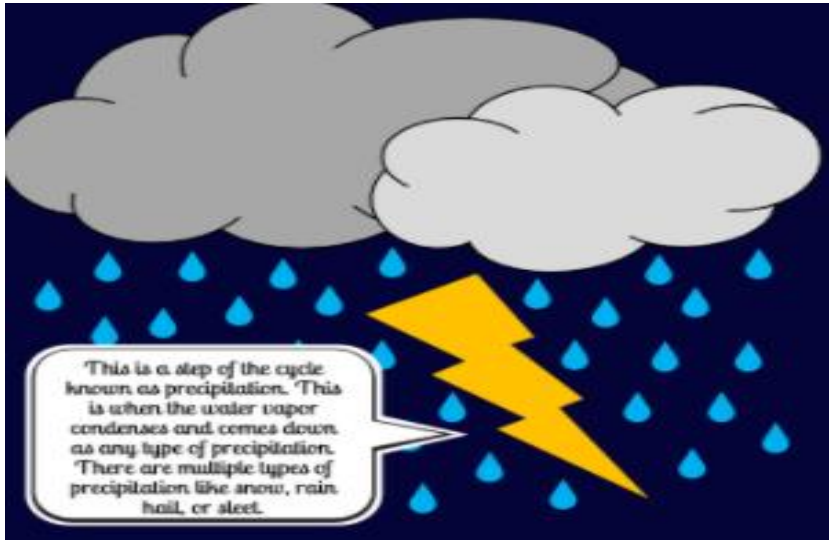
Learn about the Water cycle by helping our friend Drippy Drop. He is a water droplet in the water cycle. His cousin Taylor is confused about her story. Can you help her put it back in order?

Hi, my name is Drippy Drop. I need you to put my cousin Taylor's story back in order.




Hello! I am Taylor the water droplet. As you may know that there is a cycle called the water cycle where water moves and changes from one form to another. I am here today to tell you about the water cycle.


The sun warms the water allowing it to evaporate. This turns the liquid water into water vapor. There are two ways for water to become vapor.
Some of you may not know that there is another type of evaporation. This type is called transpiration. It is a special type of evaporation is for plants!


This is a step of the cycle known as precipitation. This is when the water vapor condenses and comes down as any type of precipitation. There are multiple types of precipitation like snow, rain hail, or sleet.


Currently I am in the ocean waiting to be evaporated. Other water droplets like me are constantly warmed up and evaporated and continue on their journey. Anyway the step I am experiencing right now is called collection.

Work either individually or with a group to use the words on the right to complete the paragraph.	Condensation Sun Cycle Heated Cloud Liquid Sleet Collected

Water on our earth in constantly moving due to a process called the water ______. In order for anything to happen, the water on the Earth must first be heated by the ______. When the water gets to a certain temperature, it will begin to change from a ______ to a gas. This process is called evaporation. As the gas, called water vapor, rises it will eventually cool off back into tiny liquid droplets creating a ______. This process of cloud creation is called ______. Eventually a cloud will get so big that it cannot hold anymore liquid and it will begin to release water, this is called precipitation. The four forms of precipitation are rain, snow, ______, and hail. Once the precipitation comes down it will run-off and be ______ into some type of body of water. This water will eventually be ______ by the sun, thus continuing the cycle.

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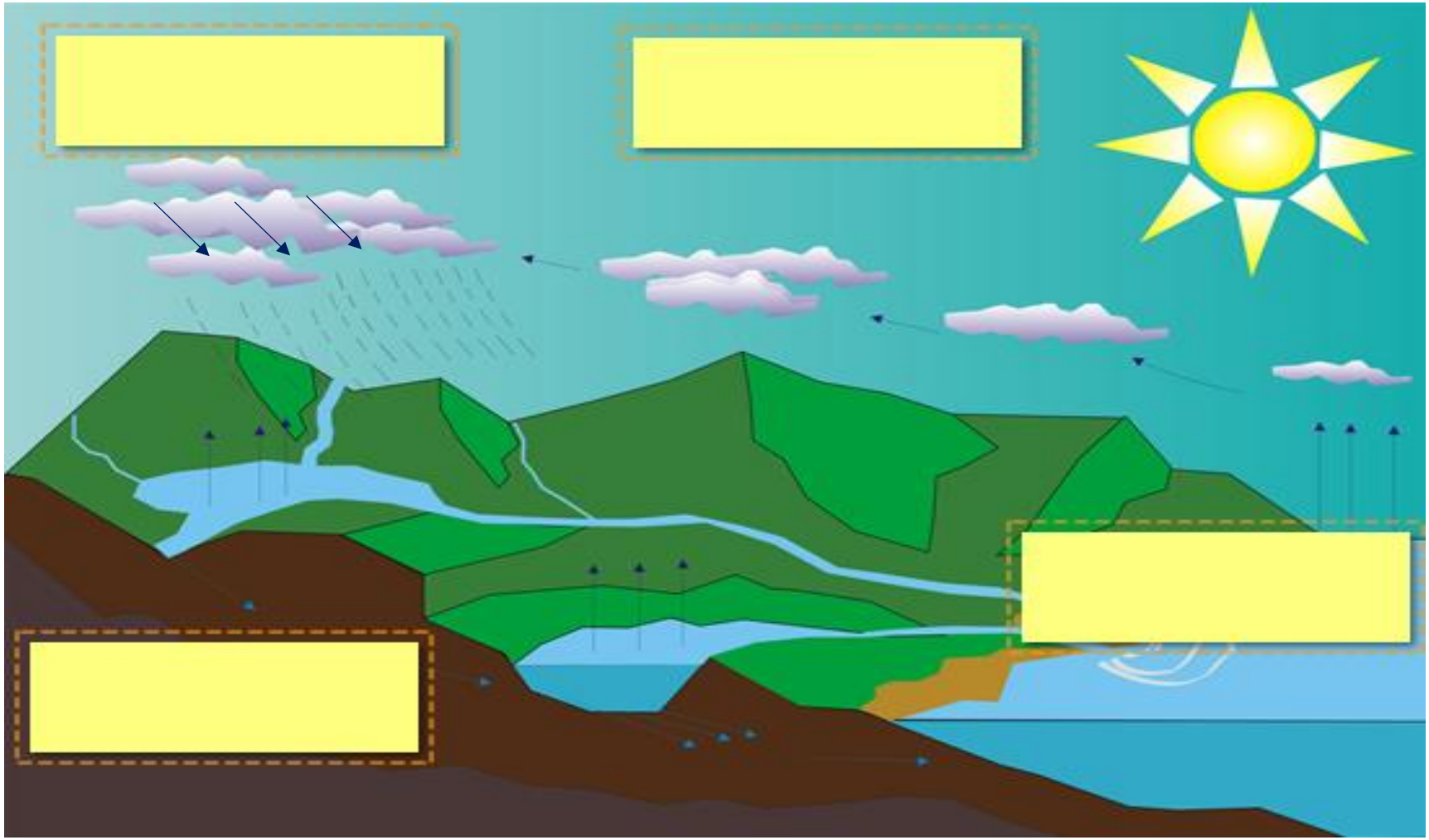
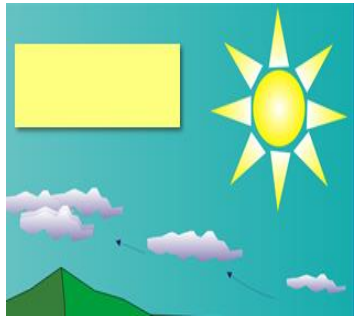
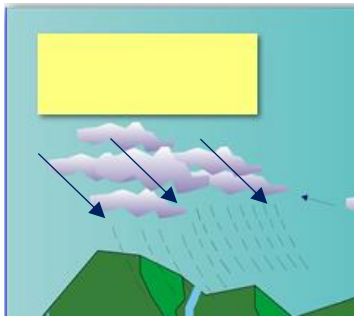
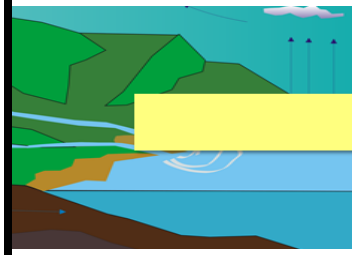
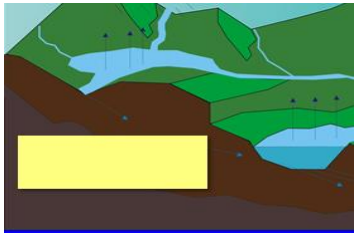
Complete the water cycle diagram by putting the processes in the cycle in the correct box. Be prepared to explain your response.











In complete sentences, describe all the things that are happening in each picture. Be sure to use your academic vocabulary.

Which stage of the water cycle does the picture represent?

- Condensation
- Evaporation
- Precipitation
- Run-off

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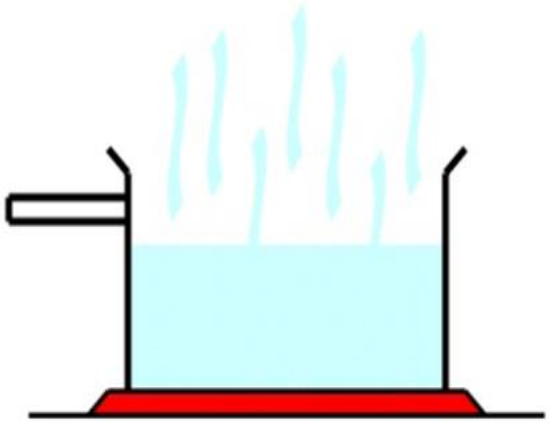

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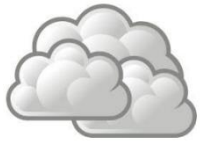
				
				
		Precipitation	Precipitation	Condensation
Evaporation	Evaporation	Run-off	Run-off	Condensation
Accumulation	Accumulation	Solar Energy	Solar Energy	Transpiration

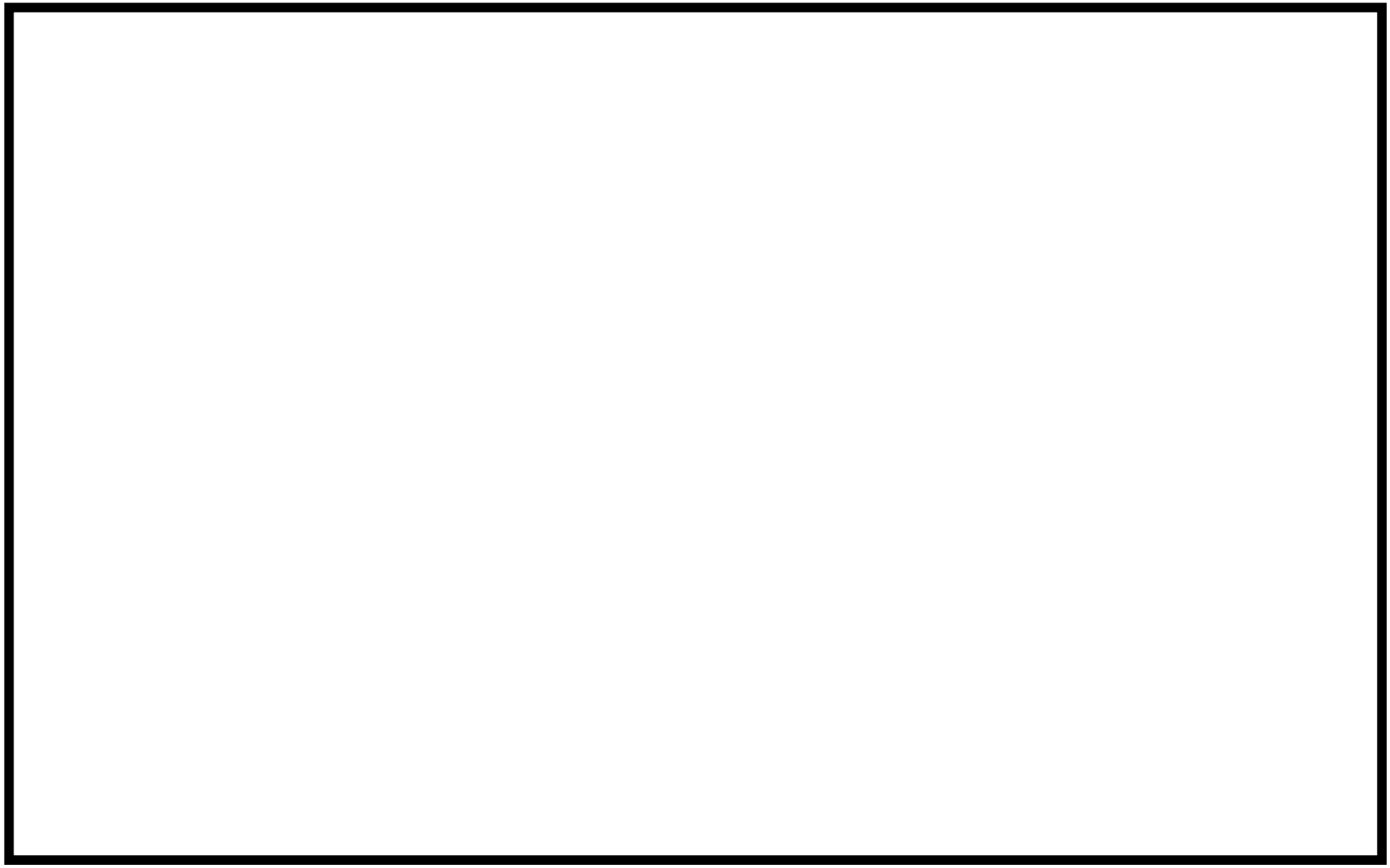
Analyze the environment. Explain why evaporation and accumulation would be occurring here. What evidence from the environment helps you draw this conclusion? Explain your answer.

Analyze the environment. Explain why transpiration would be occurring here. What evidence from the environment helps you draw this conclusion? Justify your answer.

Analyze the environment. Explain why runoff would be occurring here. What evidence from the environment helps you draw this conclusion? Justify your answer.

Analyze the environment. Explain why evaporation and accumulation would be occurring here. What evidence from the environment helps you draw this conclusion? Justify your answer.

Use the pictures and labels to build a model of the water cycle. Explain what is happening in each stage of the cycle.



Use the pictures and labels to build a model of the water cycle. Explain how the structure of water changes throughout the cycle. An example of a physical change would be when water freezes and turns to ice.

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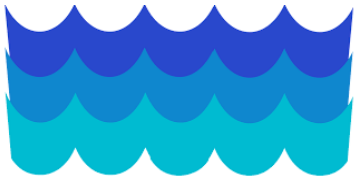
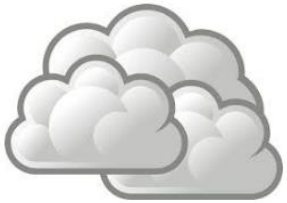
What vocabulary word do these two pictures represent? 	How are these two pictures related? In what ways could they represent a process in the water cycle?  
Describe the difference between these two clouds. Why does one cloud appear to be darker?  	What is the relationship between these two pictures? What would happen over time if the picture on the left disappeared?