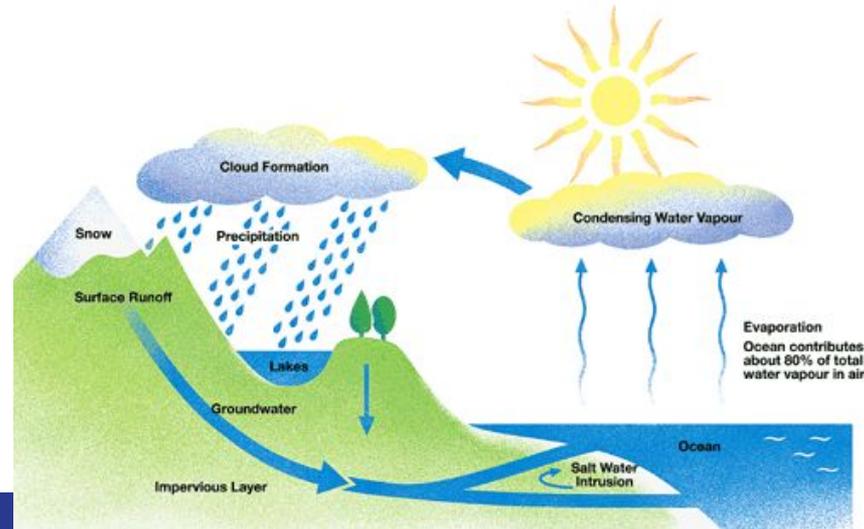




Class Notes: The Water Cycle

The Water Cycle: the process by which water changes states as it moves through different parts of Earth and the atmosphere

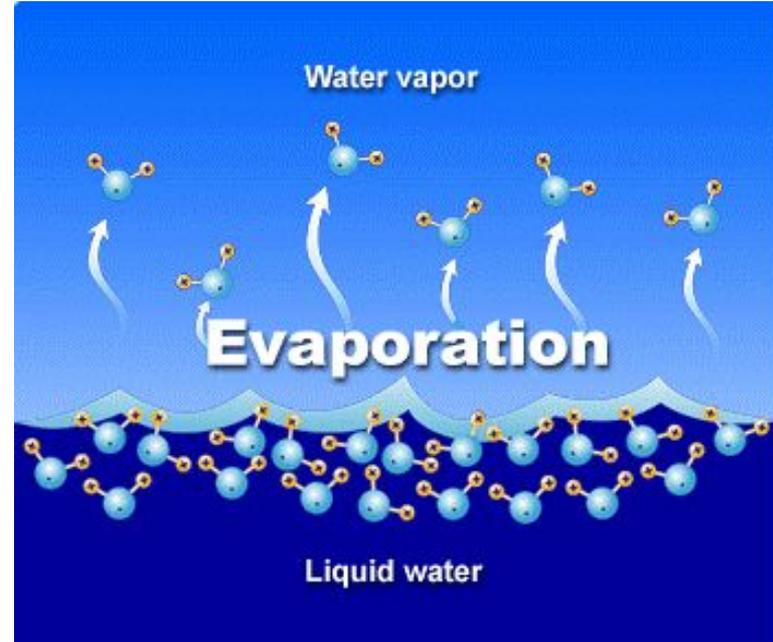
↳ The Sun's energy and Earth's gravity power the water cycle



Evaporation

Liquid → vapor

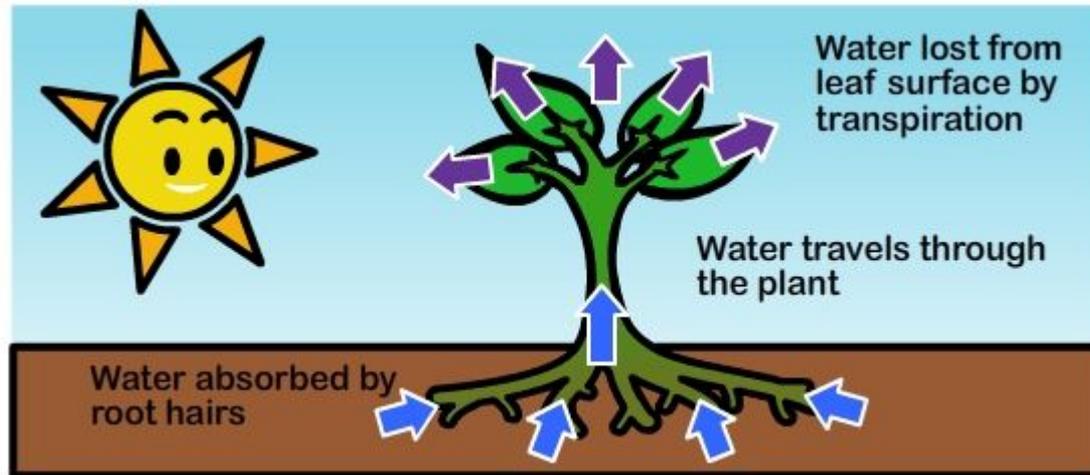
Water from oceans, rivers, and lakes rises to the atmosphere



Transpiration

Liquid → vapor

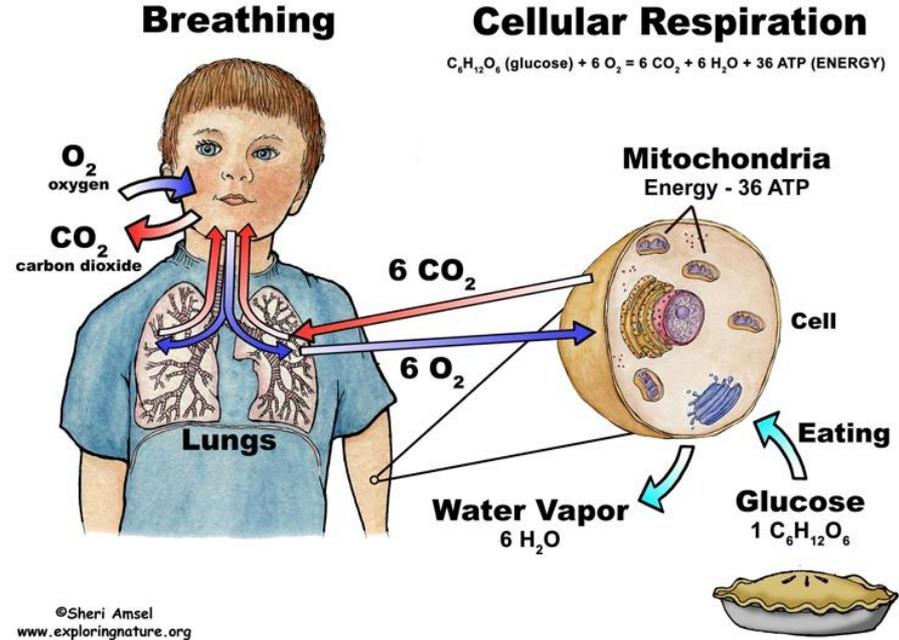
Water from the leaves of plants rises to the atmosphere



Respiration

Liquid → vapor

Water from humans and animals rises to the atmosphere when they exhale



Name the process where the sun causes liquid water from the ocean to rise to the atmosphere as liquid vapor

EVAPORATION

Name the process where humans and animals lose water from their bodies when they exhale.

RESPIRATION

Two students have a conversation about transpiration.

Jamie: *“Both humans and plants transpire.”*

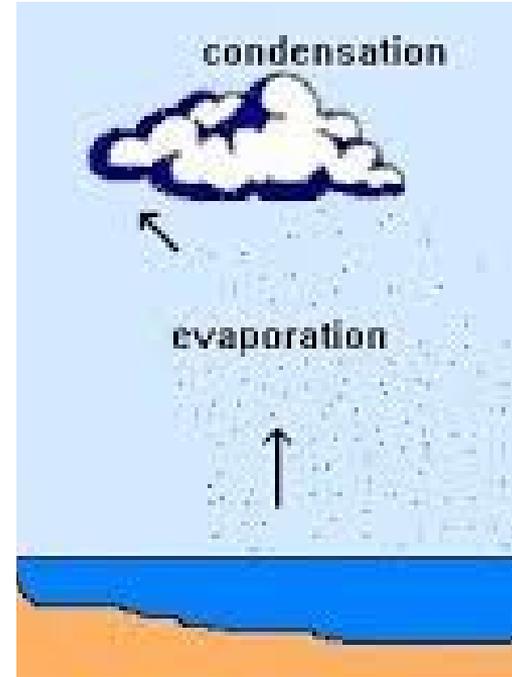
Oliver: *“I don’t agree with you. I think only plants are able to transpire.”*

Which student is correct?

Condensation

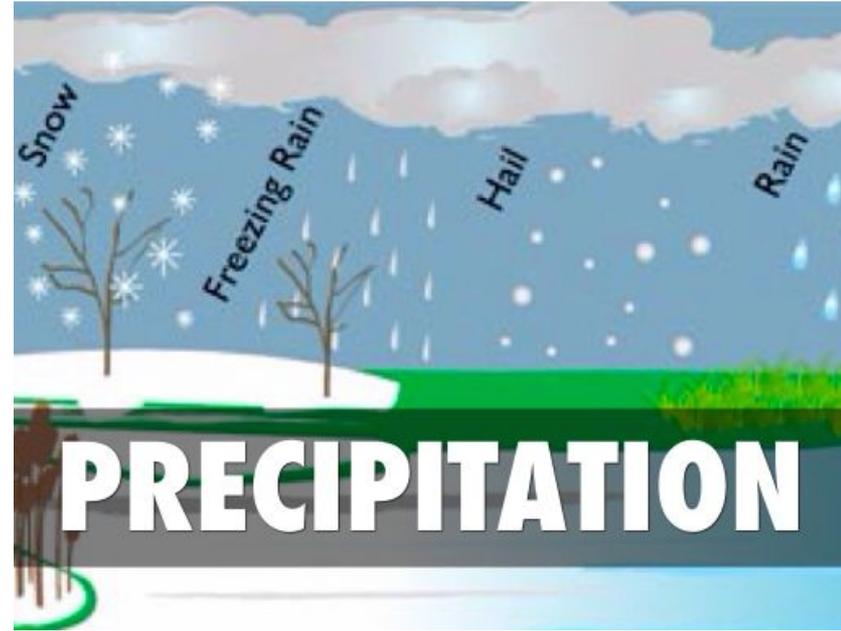
vapor → liquid

Water in the form of droplets
may form into clouds



Precipitation

When water in the form of **rain**,
snow, and **hail** falls to Earth
from **clouds**



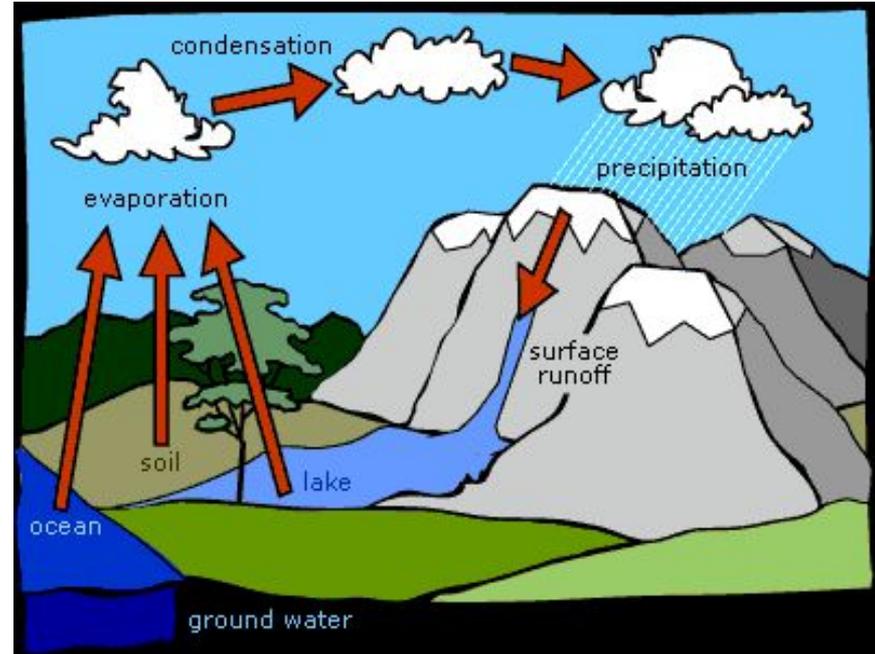


True or False?

Condensation is the process where water falls to the Earth in the form of rain and snow.

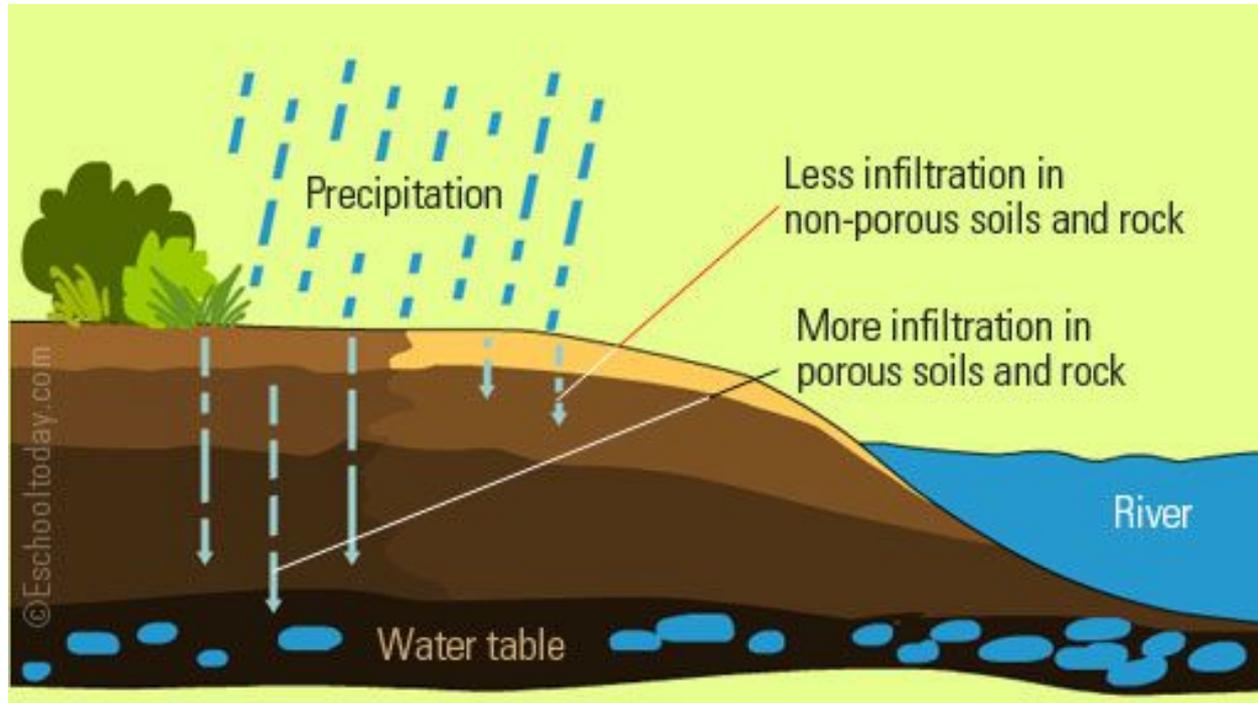
Runoff

Rain, snow or hail (precipitation) that flows over the surface of the Earth



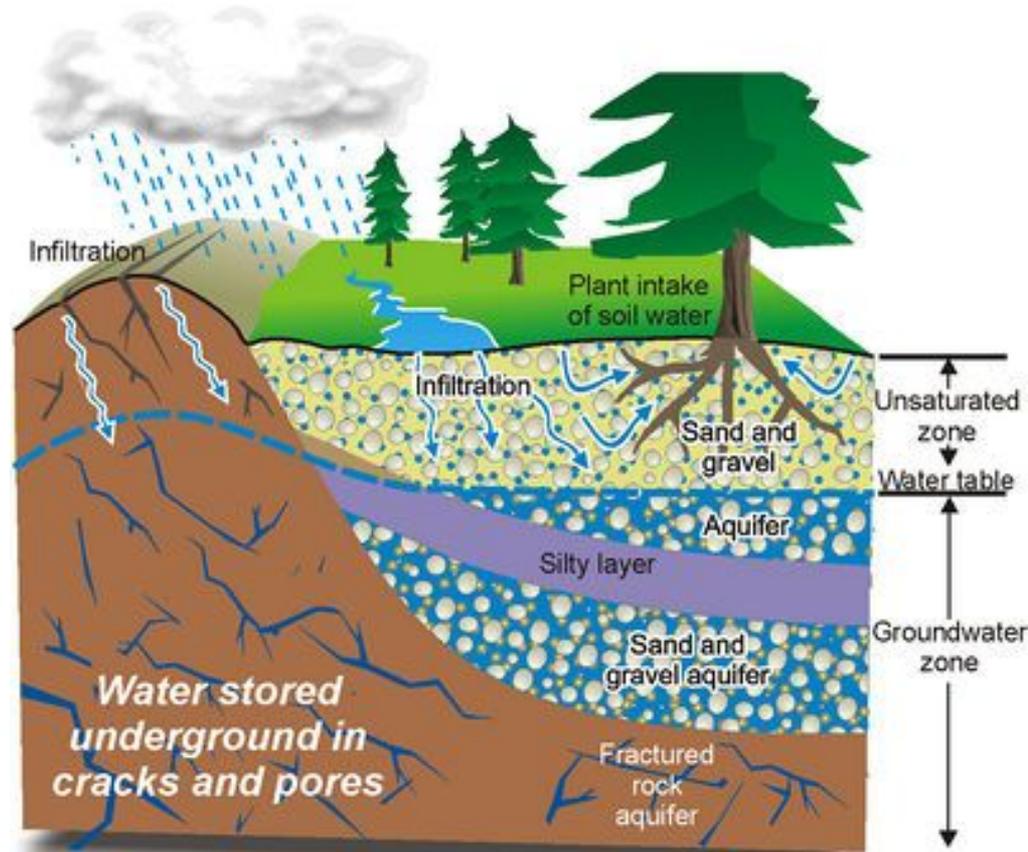
Infiltration

When water soaks into the ground



Groundwater

Water that is found **below**
Earth's **surface**



Name the process where water soaks into the
ground.

INFILTRATION

Two students have the following conversation about the image.

June: *“I think that’s runoff, and it could eventually become groundwater.”*

Carlos: *“That’s actually groundwater that will eventually infiltrate into the Earth.”*



Which student do you agree with most?

DO NOW: Revise your “Water Cycle Model”
(add more info. or change incorrect info.)

- Label the processes & components of the water cycle
(HINT: You may use your class notes to help you)
- Add relevant drawings/details to your model
- Color your model