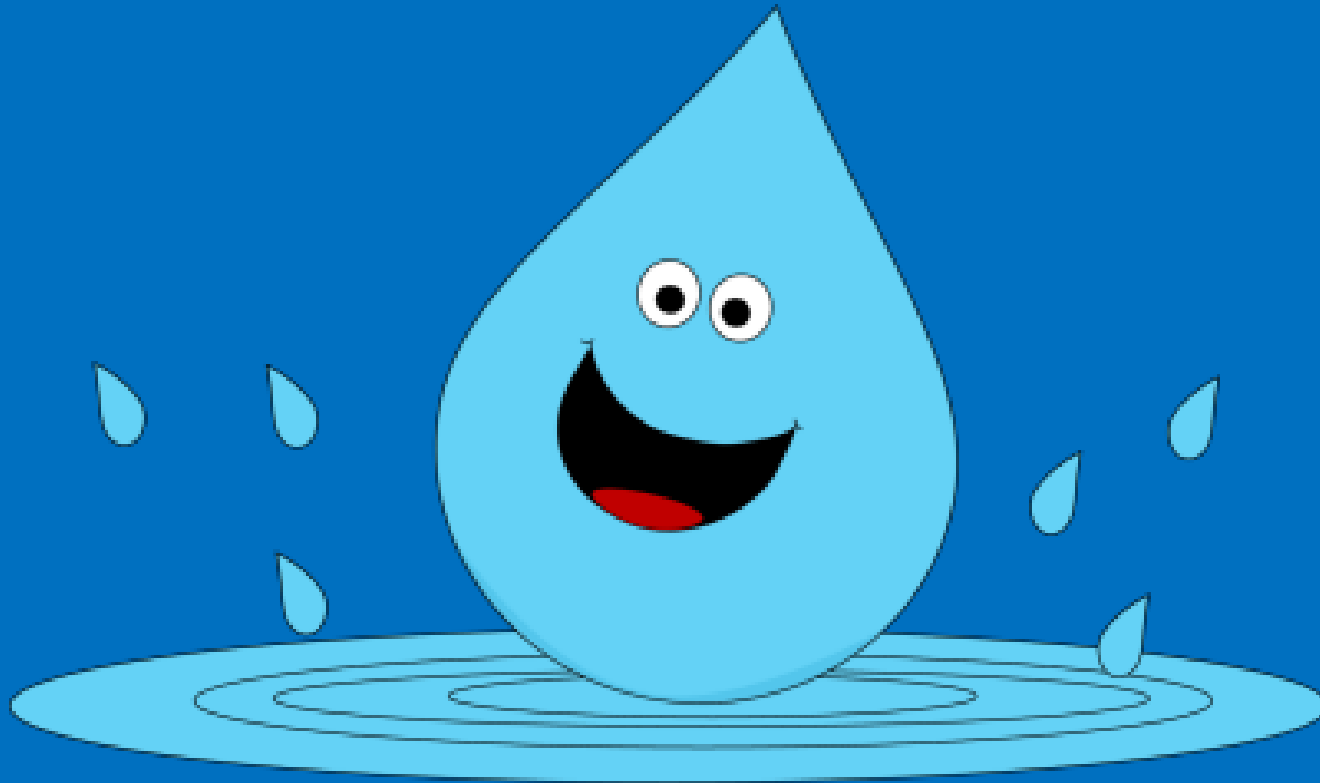
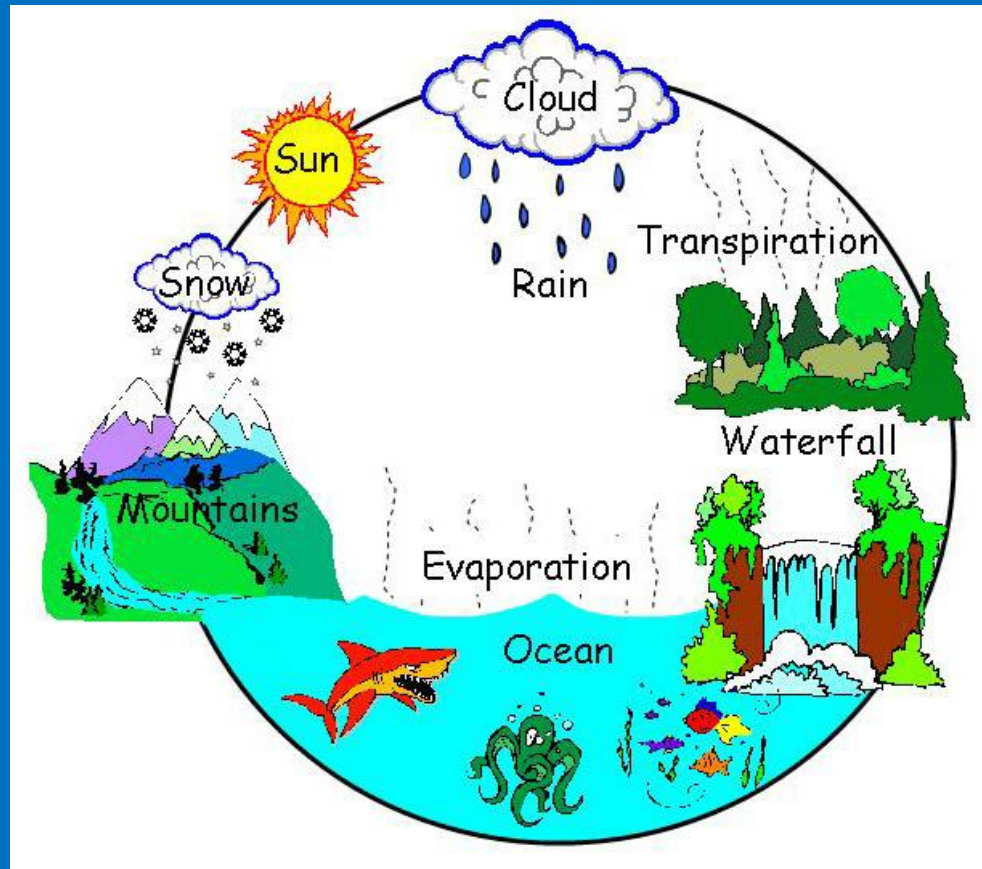


The Water Cycle

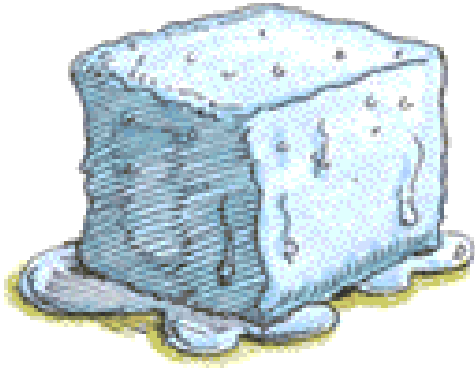


Created by Marie @ thehomeschooldaily.com

What is the Water Cycle?



The Water Cycle is the on-going process by which water moves all around Earth.



SOLID



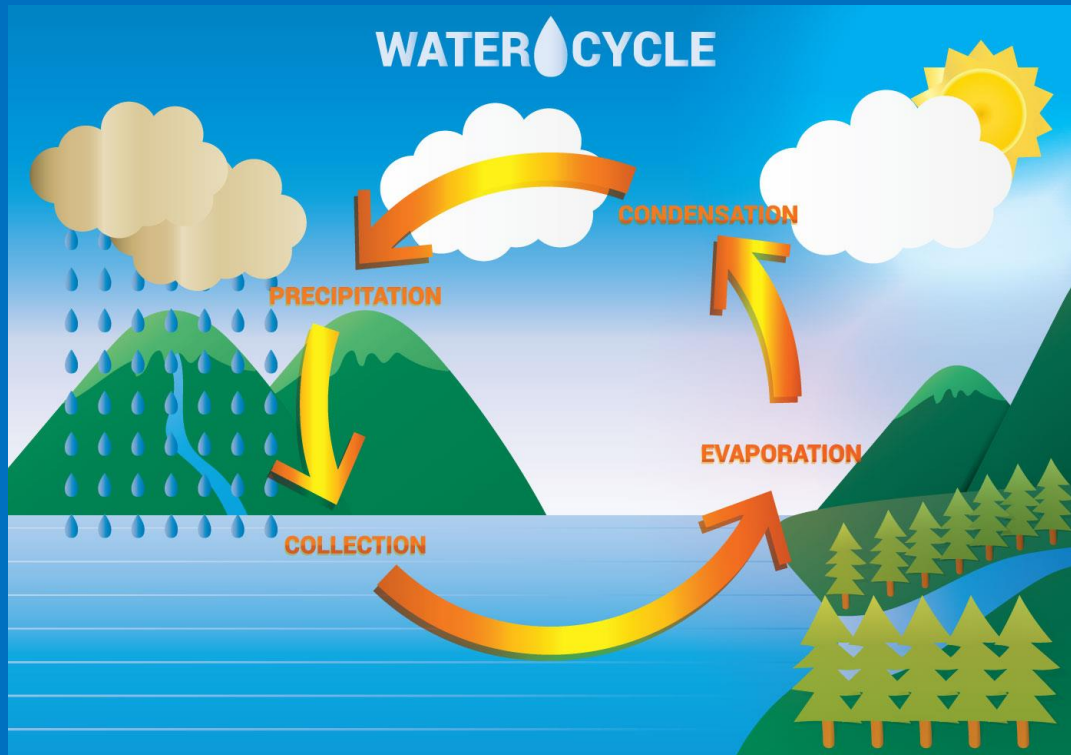
LIQUID



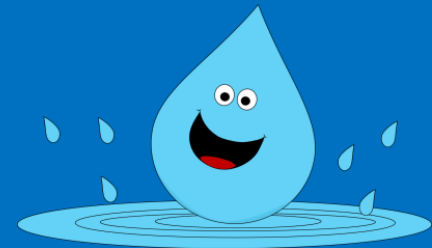
GAS

There are several different processes that happen in the Water Cycle. In these processes, water changes from different states of matter. Water is the only matter that can change to form all 3 states of matter.

4 Main Water Cycle Processes



- Evaporation
- Condensation
- Precipitation
- Collection



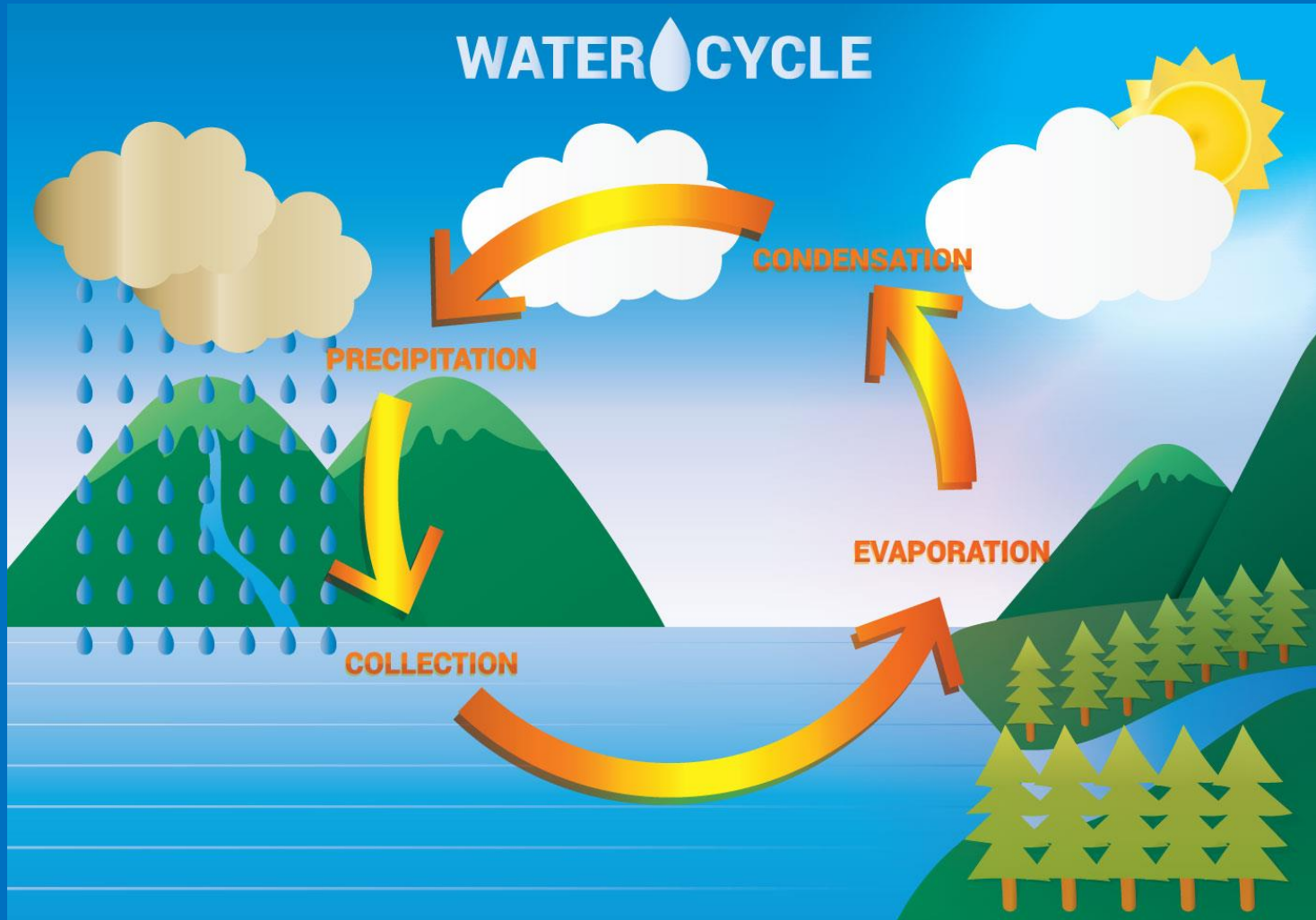
What is Evaporation?



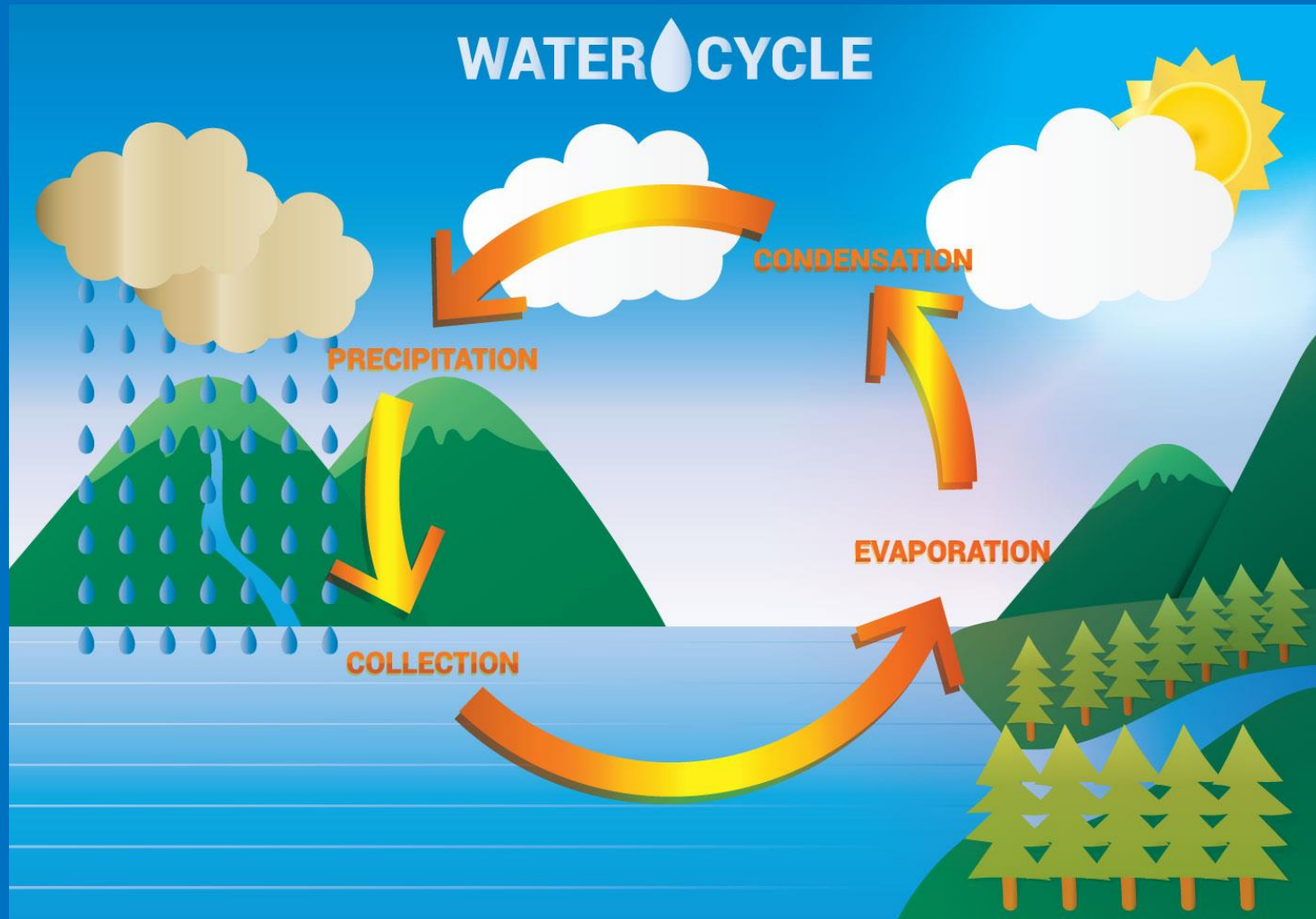
Evaporation is the process of water changing into steam or a gas.



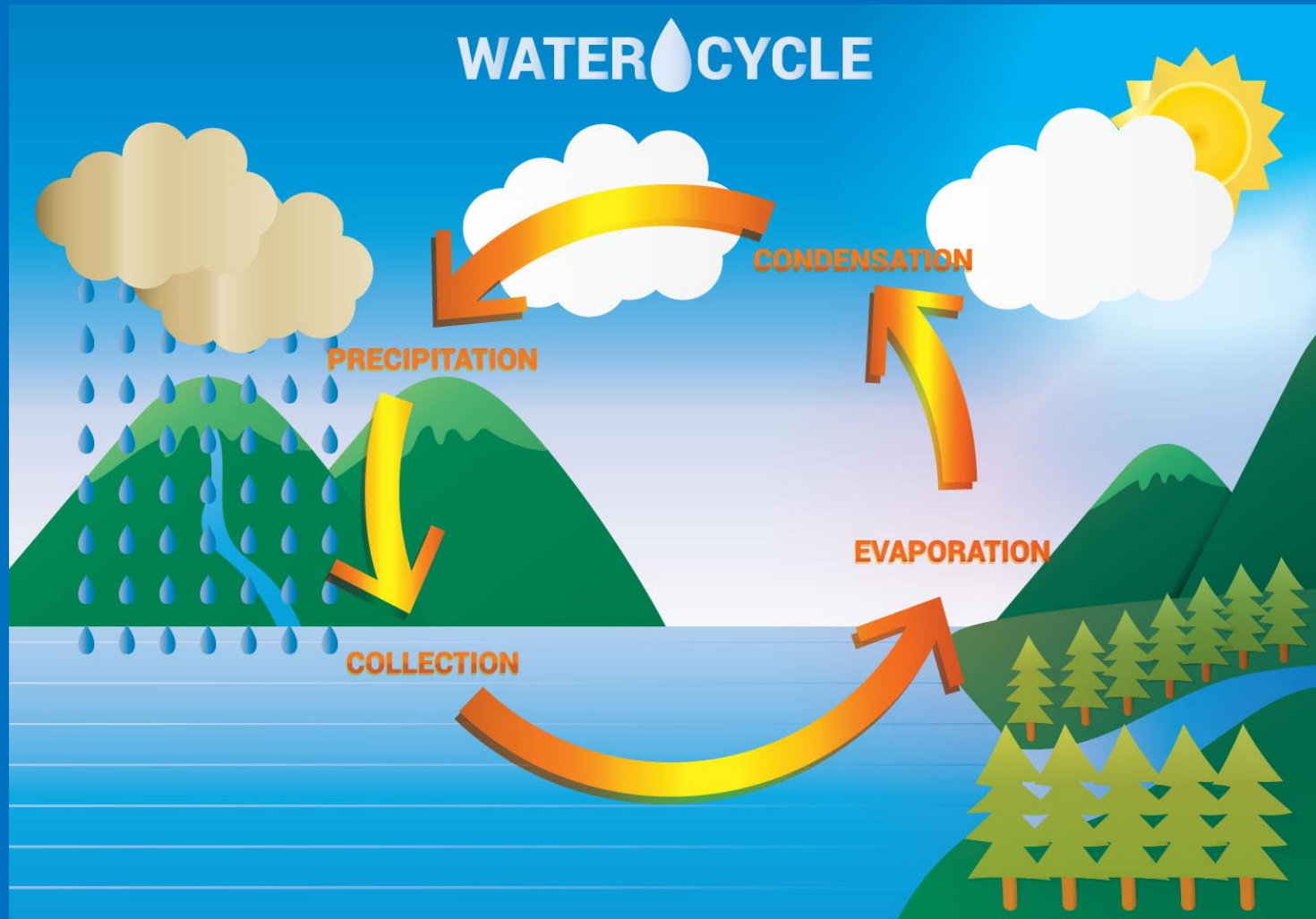
Locate on the Water Cycle diagram where evaporation is taking place.



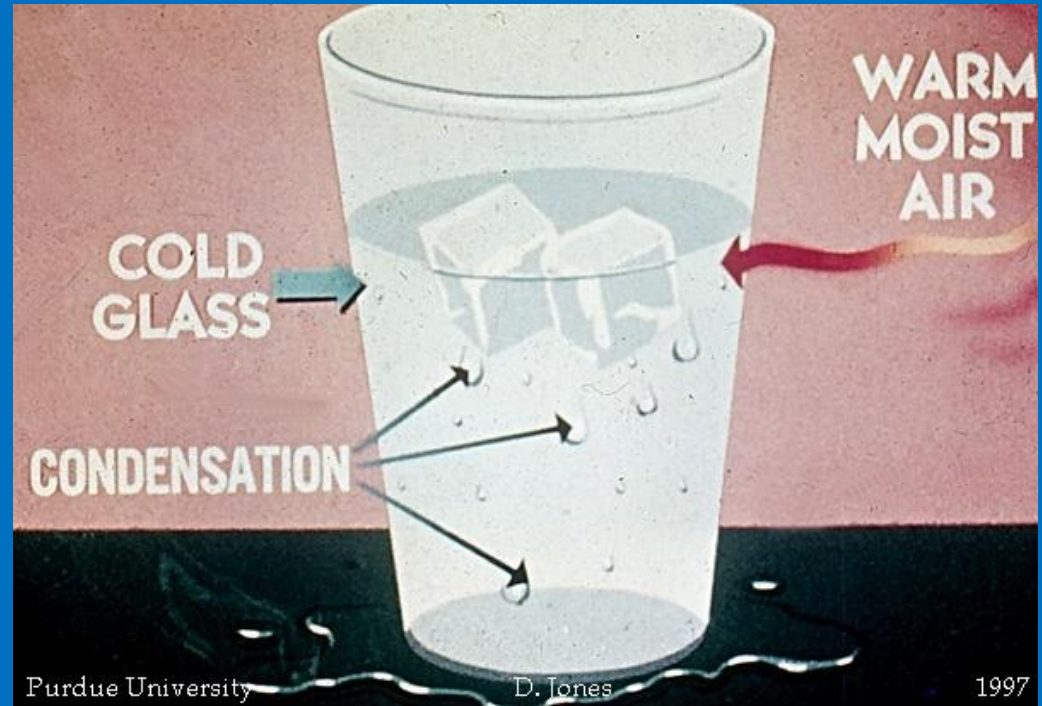
In the process of evaporation, the sun heats the liquid water collected on Earth's surface causing it to change to water vapor, which is a gas.



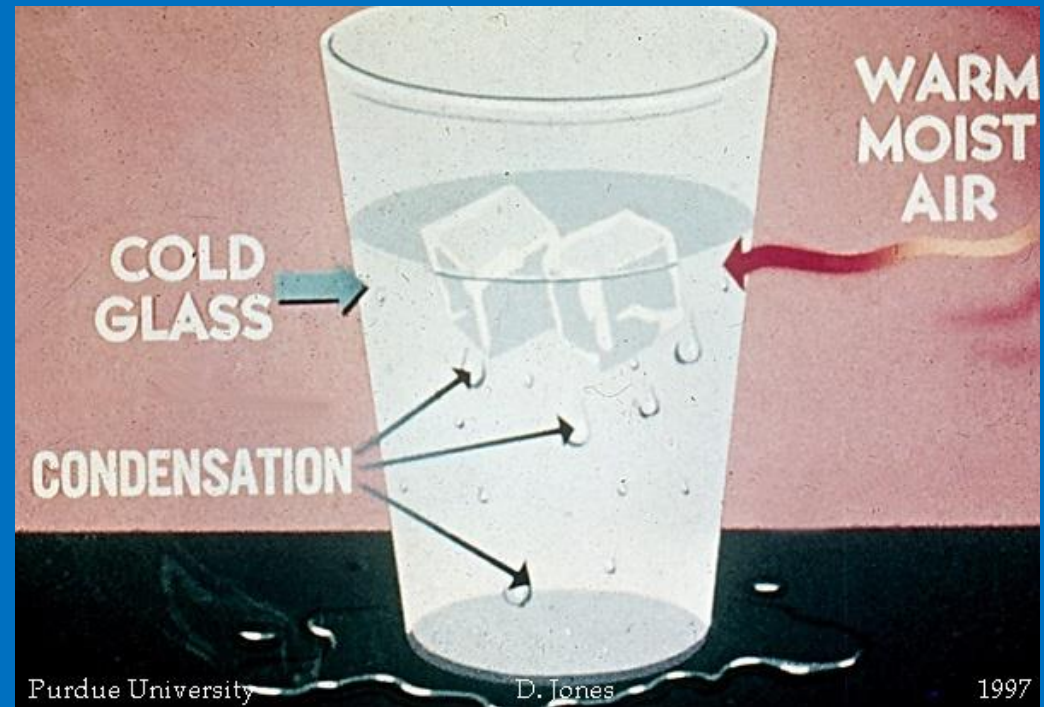
Most of the evaporation that takes place on Earth happens over our oceans. Remember that oceans cover over 70% of the Earth!



What is Condensation?



Condensation is the process of gas changing into a liquid.



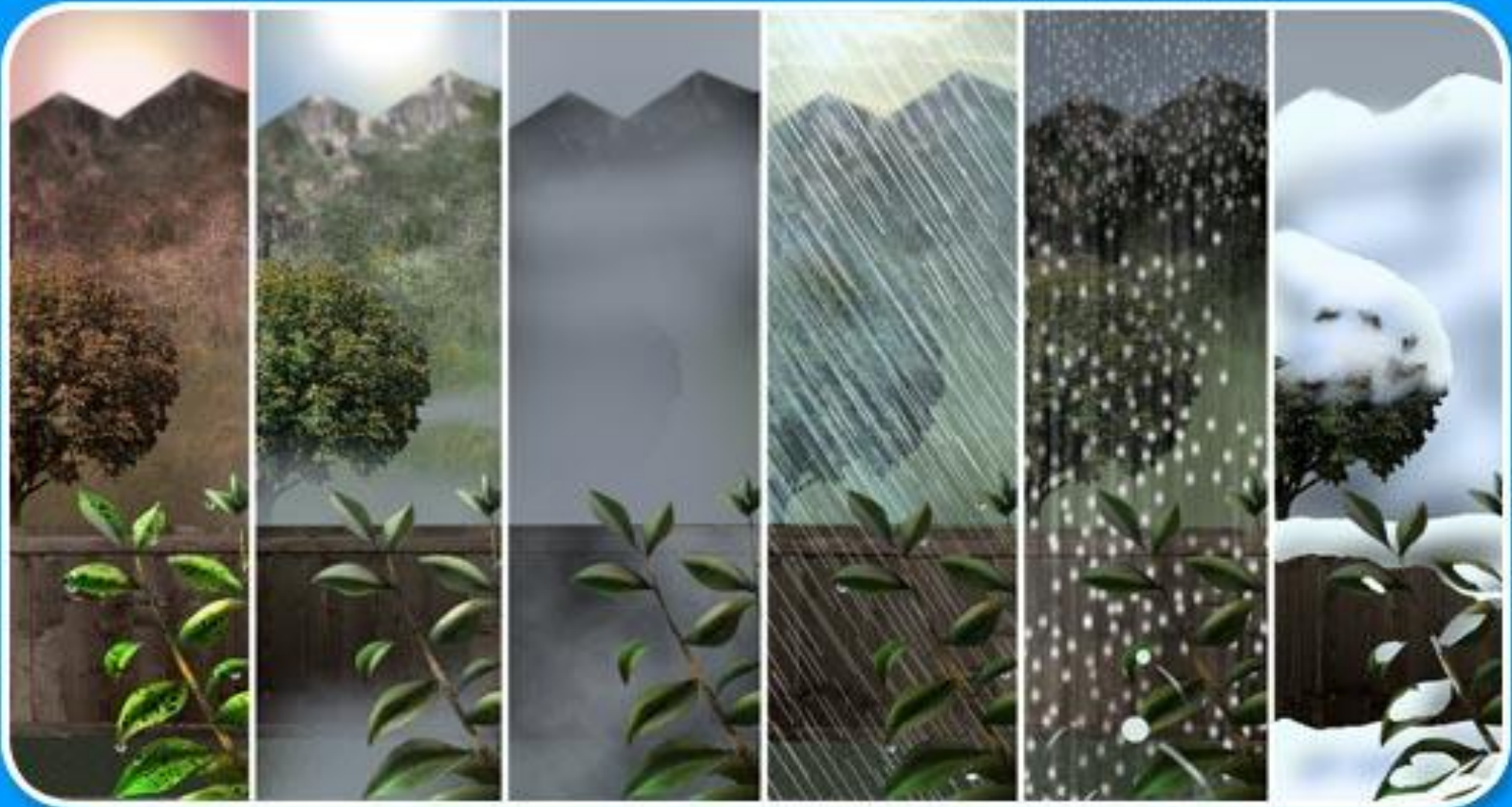
Condensation forms clouds. When the warm gas rises and hits the colder air, the vapor (gas) turns back into water.



When the amount of water in a cloud becomes too heavy, the cloud will turn gray and then precipitate.



What is precipitation?



Dew

Mist

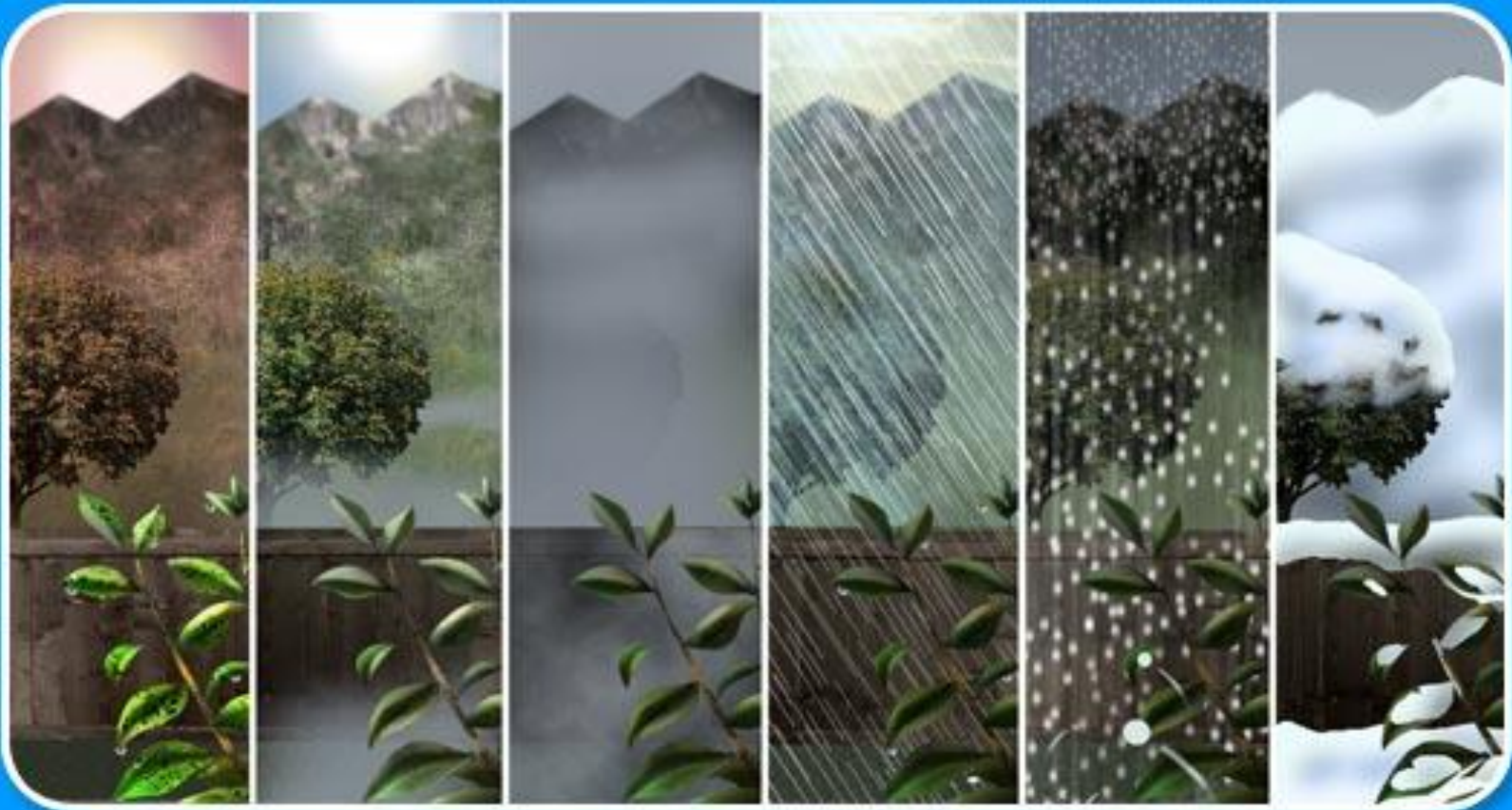
Fog

Rain

Hail

Snow

Precipitation is a form of water that comes from the sky.



Dew

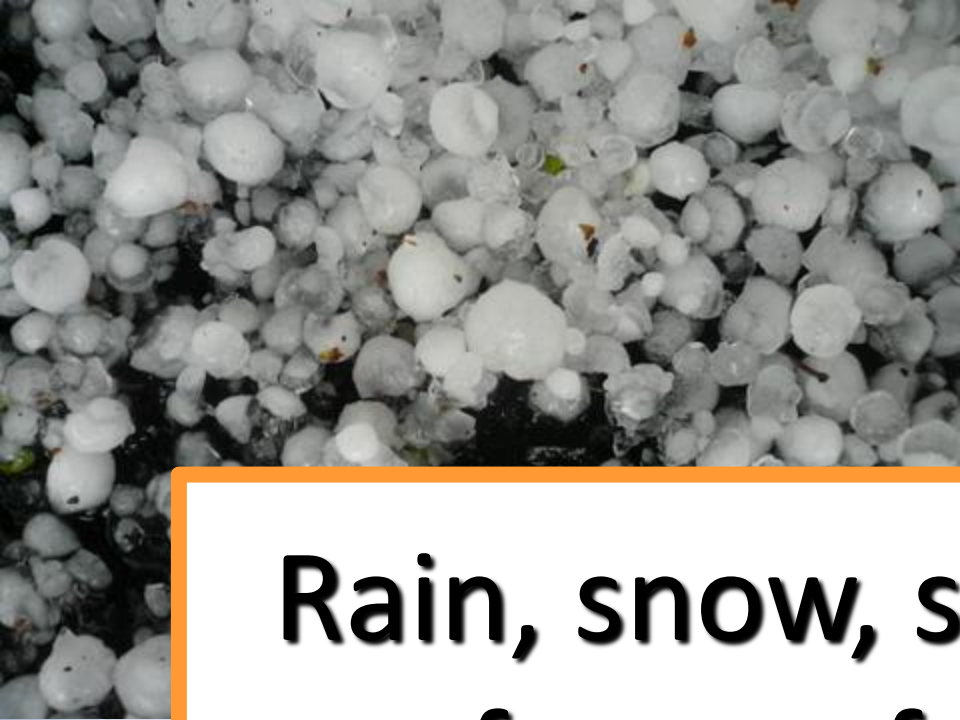
Mist

Fog

Rain

Hail

Snow



Rain, snow, sleet, and hail are forms of precipitation.



**Hail can be
the size of
pellets...**



**Or it can be
the size of
baseballs.**

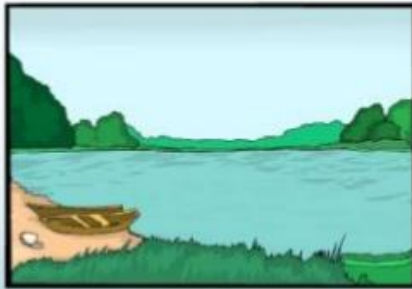


**Hail can
do major
damage
to homes
and cars.**



What is Collection?

Collection of water



Lakes



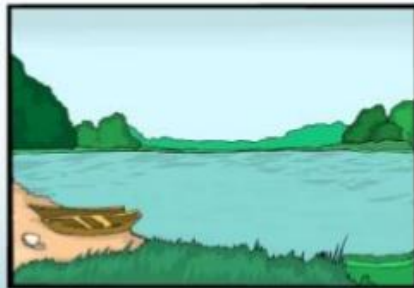
Rivers



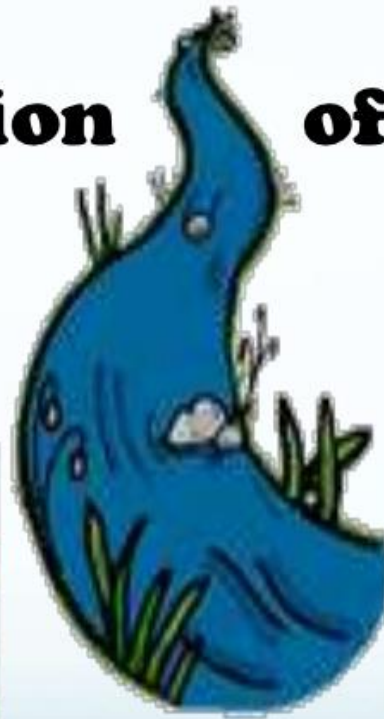
Oceans

Collection occurs when water gathers in lakes, rivers, and oceans.

Collection of water



Lakes

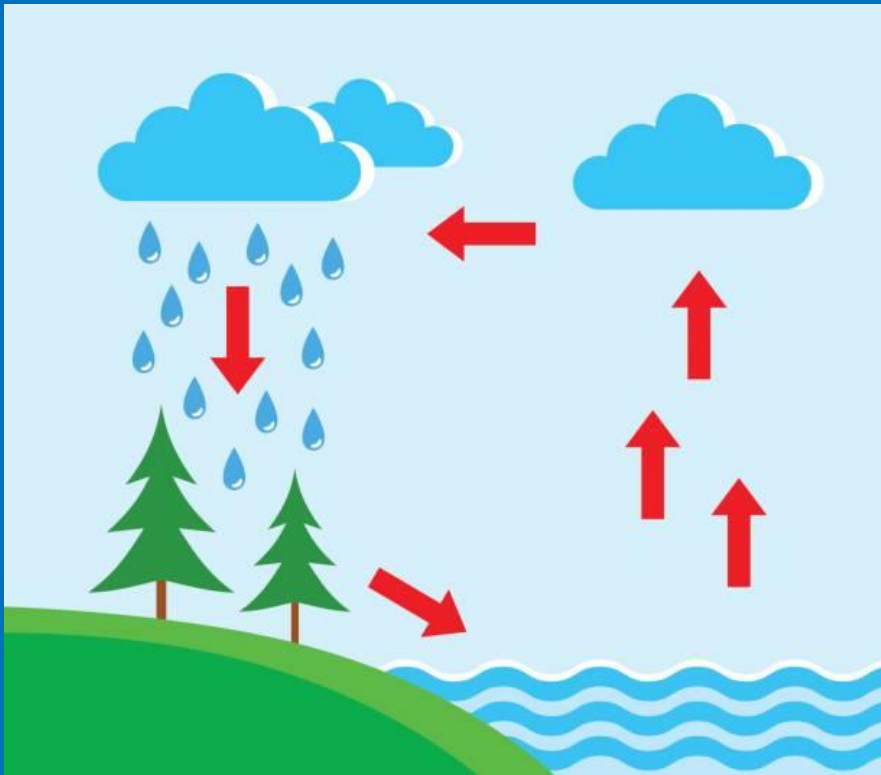


Rivers



Oceans

The Water Cycle



After collection, evaporation starts all over again.
Condensation follows and then precipitation.

The water cycle is exactly that... a cycle. For thousands of years, water has been recycled and cleaned through the hydrologic cycle. It just keeps going and going!

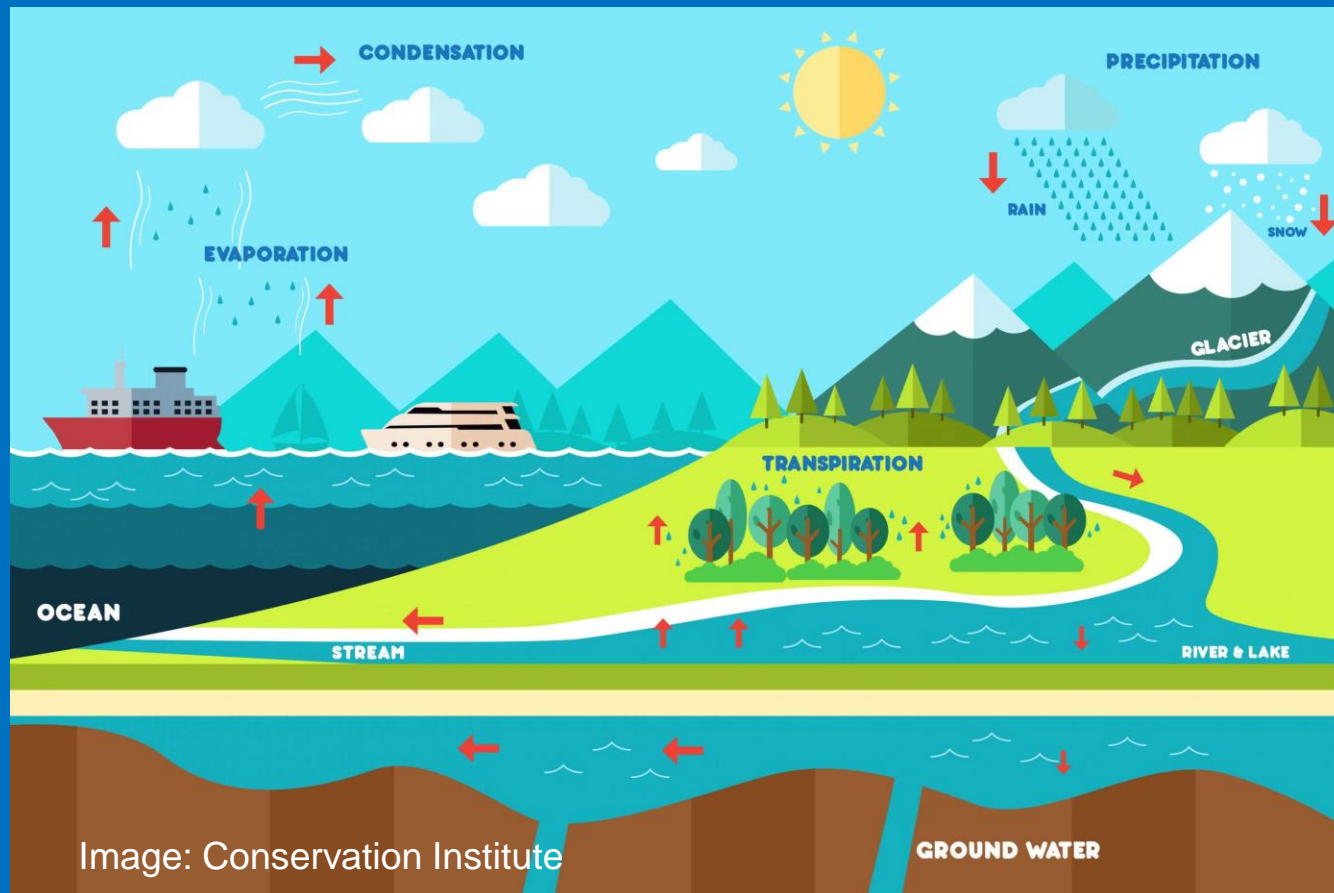


Image: Conservation Institute

GROUND WATER

Check out our other hydrology
resources @
thehomeschooldaily.com



But whosoever drinketh of the water
that I shall give him shall never thirst;
but the water that I shall give him
shall be in him a well of water
springing up into everlasting life.

John 4:14 (KJV)