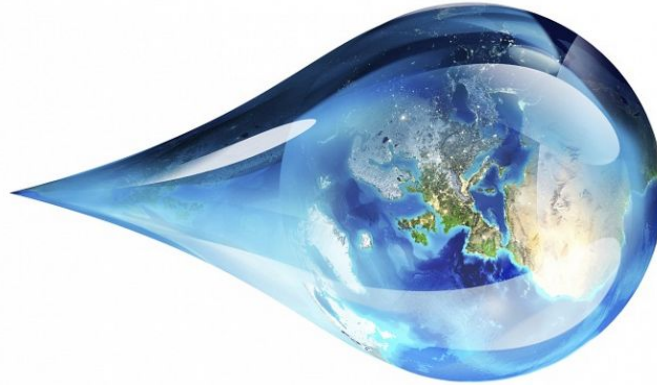


The Hydrosphere

The **hydrosphere** is made up of both **fresh** and **salt** water found on Earth. Approximately **70%** of the Earth's surface is water. Only **2.5 %** of all water is fresh. Of this 2.5 % , most of the fresh water on Earth is frozen in **glaciers** and in the **ice caps**.



What if all the ice melted?

https://www.youtube.com/watch?v=b6CPsGanO_U

The Water Cycle

The **sun** provides the energy for the water cycle.

The water cycle causes **moisture** to circulate which creates much of our weather.

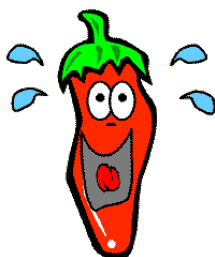
Evaporation - *process of changing a liquid to a vapor.*

Sublimation - *process of changing a solid to a vapor*

Condensation - *process of changing a vapor to a liquid.*

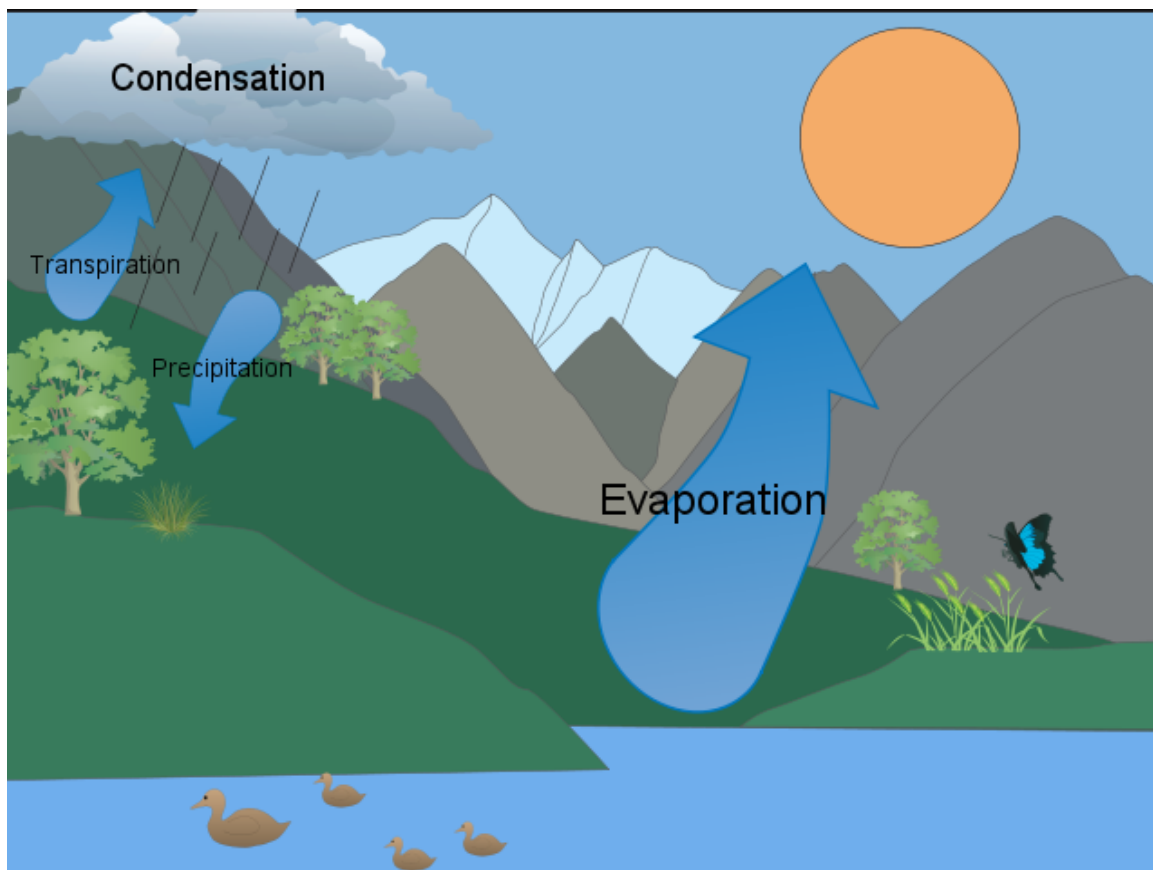
Transpiration - *evaporation from plants*

Runoff - *precipitation that did not get absorbed into the soil, or did not evaporate, and therefore made its way from the ground surface into places that water collects such as streams, rivers, and lakes.*



Do plants sweat?

Well, sort of.... people perspire (sweat) and plants transpire. **Transpiration** is the process by which plants **lose water** out of their leaves. Transpiration gives **evaporation** a bit of a hand in getting the water vapor back up into the air.



http://www.epa.gov/safewater/kids/flash/flash_watercycle.html



The Water Cycle

NSF (National Science Foundation) 6:46

<https://www.youtube.com/watch?v=al-do-HGulk>

