

## The animated Water Cycle

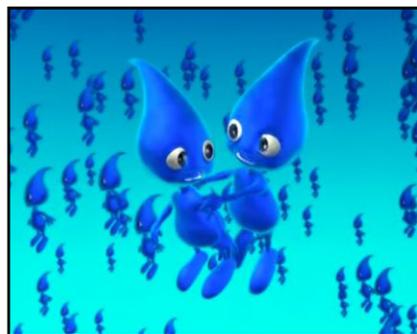
Based on the animation in this weblink: <https://www.youtube.com/watch?v=StPobH5ODTw>

Watch the animation and identify when evaporation, transpiration, condensation and precipitation occur. Following the instructions below, and doing the actions, will help you remember these words. It is scientifically proven that acting out things as you are learning them helps your brain remember the information.

As the animation is playing, watch out for this scene. When you see it, silently wiggle your fingers upwards towards the ceiling. This is because **evaporation** is occurring here. As the sun heats up the Earth's water, it changes into gas (water vapour). Gas is lighter than water and so it rises up into the sky.



When you see this scene, silently link fingers with the person sitting next to you. You are forming a cloud! As the water vapour cools, **condensation** happens. It condenses and turns back into water. There is always water vapour in the air, even on clear days. Fog is condensing water near to the ground.



Water is heavier than gas and it falls back to Earth as **precipitation**. We have many names for this: rain, drizzle, sleet, hail, snow...When you see precipitation occurring in the animation, silently wiggle your fingers back down to the floor.



The cycle happens over and over again. No water on the Earth is ever created from scratch or lost anywhere. The Earth has always had the same amount of water – it is just stored in different places at different times. Plants store water they collect from the ground. When it evaporates out of the plants through their foliage, it is called **transpiration**. Hold your hand out flat above your head, like a leaf, when you see transpiration in the animation.

