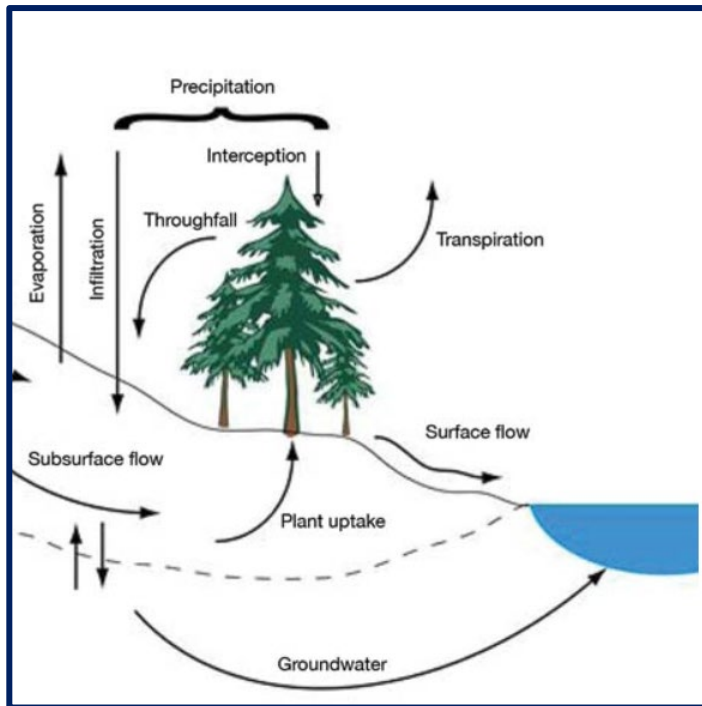




# JOBS IN THE FOREST: HYDROLOGIST

**Hydrology** – the study of water. A person who studies anything water related (rain, rivers, runoff etc.) and its processes is a **hydrologist**.

## The Water Cycle



Precipitation – rain or snow

Evaporation – water vapor returning to the atmosphere because of heat

Interception – precipitation falling on plants instead of the ground

Throughfall – precipitation that falls through plants and hits the ground

Transpiration – water moves through the tree from the ground to its branches. Once on the branches it returns to the atmosphere

Infiltration – water entering the ground

Subsurface flow – picture underground rivers

Surface flow – rivers, streams and creeks

Groundwater – water stored underground

## Hydrologist Activities

1. Look around you for the different parts of the water cycle. How many parts can you locate and identify? Keep in mind some parts might be “invisible” to us like Transpiration and Evaporation.
2. Hike the Lindquist Loops off County Road 409. At the bottom of the trail, head up the road to visit the South Fork Caspar Weir which is part of a hydrology study ([Link to map](#)). Draw a picture of what you see.



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