

A Note on How Water Molecules Travel

A Water Molecule from CLOUDS can stay in clouds, or travel to the following places:



Lakes: through precipitation and surface runoff

Oceans: through precipitation

Soil: through precipitation (fog and mist, too)

River: through precipitation and surface runoff

Glaciers: through precipitation (slow accumulation of snow, becomes ice, doesn't melt)

A Water Molecule from SOIL can stay in soil, or travel to the following places:



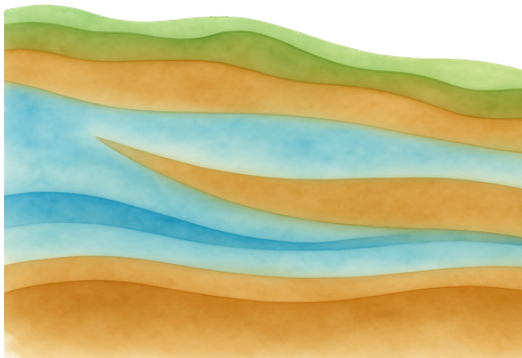
Plants: through their roots

Groundwater: through percolation through the soil

Rivers: through runoff and filtered through springs

Clouds: through evaporation

A Water Molecule from GROUNDWATER can stay there, or travel to the following places:



Rivers: through filtering through springs

Lakes: through filtering through springs

A Water Molecule from PLANTS can stay in plants, or travel to the following places:



Clouds: through evapotranspiration (water exits through the leaves)

A Water Molecule from ANIMALS can stay there, or travel to the following places:



Soil: through urination or spitting, or through animal decomposition

Clouds: through sweating or panting

A Water Molecule from a LAKE or an OCEAN can stay there, or travel to the following places:



Clouds: through evaporation

Animals: through drinking the water or absorbing it with their skin

Plants: through the root system of terrestrial plants or absorption by marine plants

A Water Molecule from a RIVER can stay there, or travel to the following places:

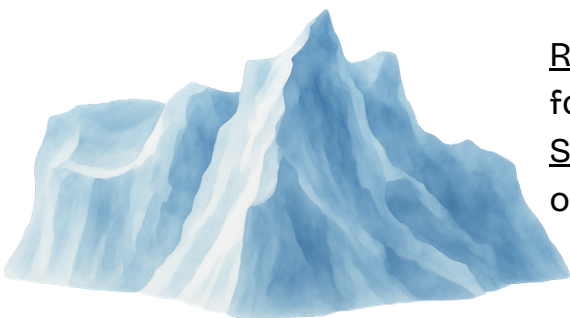


Plants: through the roots of plants

Animals: through drinking from rivers or absorption through the skin

Oceans and Lakes: through the flowing of rivers into them

A Water Molecule from a GLACIER can stay there, or travel to the following places:



Rivers: through the melting of the glacial ice, forming or flowing into a river

Soil: through the melting of the glacial ice directly onto the soil