www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_aquifers.pdf

You remain in the aquifer.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You remain in the aquifer.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

After a long time you seep into the ocean.

Go to the **Oceans**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You pop up as an underground spring and supply water to a lake.

Go to the **Lakes & Rivers**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You remain in the aquifer.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You pop up as a spring on the earth's surface and make the ground wet.

Go to the **Ground**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_atmosphere.pdf

There are over 35 lesson plans in the National Weather Service education website JetStream - An Online School for Weather, a free resource at **www.srh.weather.gov**.

Clear skies and a cool night caused you to change from a gas (water vapor) to a liquid (water) and you appear as dew on grass.

Go to the **Ground**

An updraft carries you higher into the atmosphere where you become cooler and ***CONDENSE*** into a cloud.

Go to the **Clouds**

You float in the atmosphere as a gas (water vapor) while carried along by the wind.

STAY where you are!

Clear skies and a cold night caused you to change from a gas (water vapor) to a solid (ice crystal) and you appear as frost on grass. The process is called ***DEPOSITION***.

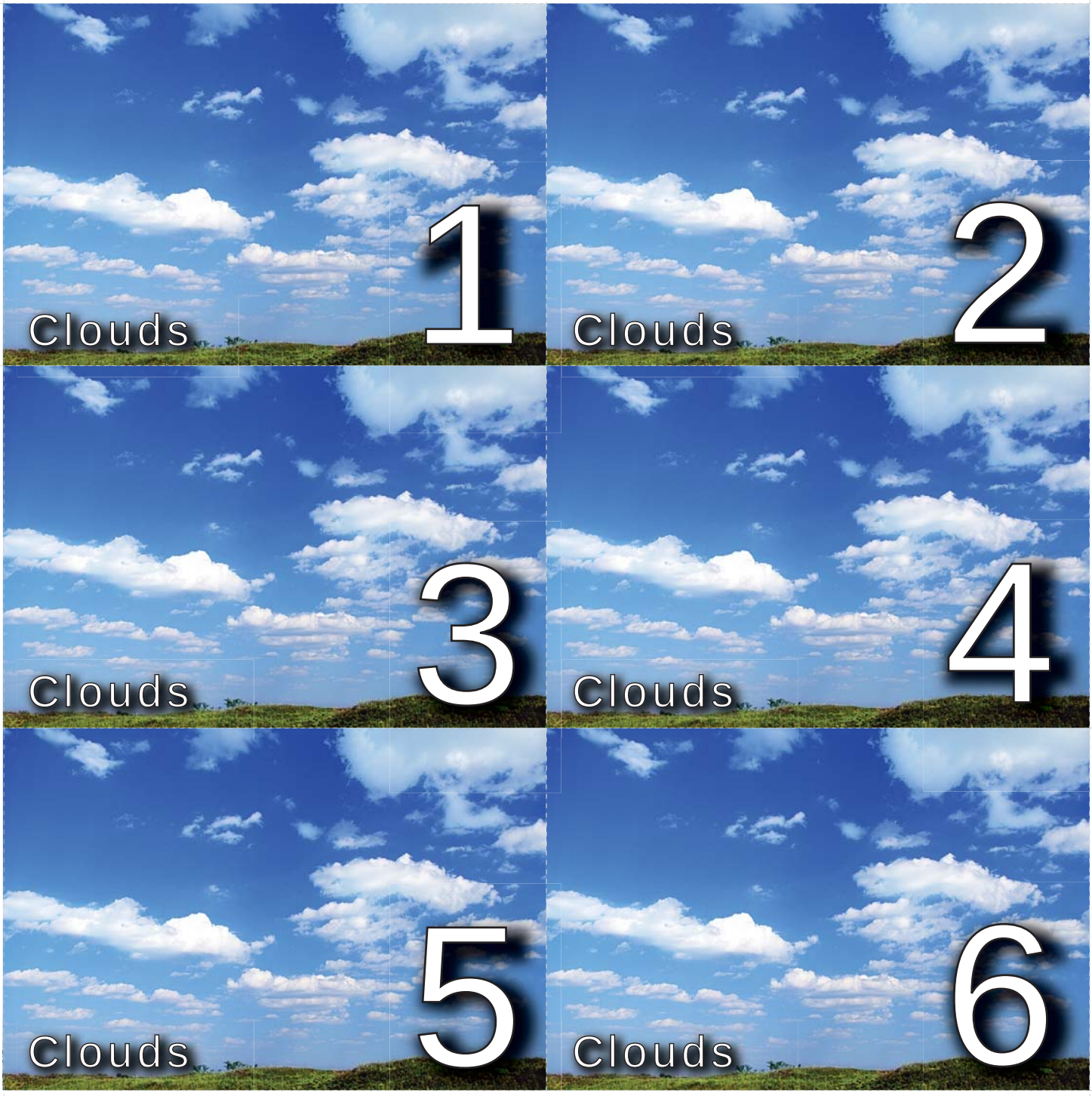
Go to the **Ground**

You float in the atmosphere as a gas (water vapor) while carried along by the wind.

STAY where you are!

The air around you cools and you ***CONDENSE*** into a cloud.

Go to the **Clouds**



www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_clouds.pdf

You move into an area where the air is drier. You ***EVAPORATE*** as you change from a liquid (water droplet) to a gas (water vapor).

Go to the **Atmosphere**

You combine with other water droplets to grow larger and larger. You reach a size that cannot be supported by rising air and therefore fall as rain over the ocean.

Go to the **Ocean**

You combine with other water droplets to grow larger and larger. You reach a size that cannot be supported by rising air and therefore fall as rain over land. Too much rain fell so you ***RUNOFF*** into a river.

Go to the **Rivers & Lakes**

You combine with other water droplets to grow larger and larger. You reach a size that cannot be supported by rising air and therefore fall as rain over land and ***INFILTRATE*** into the ground.

Go to the **Ground**

You freeze into an ice crystal and combine with other ice crystals to form a snow flake. As the snow flake grows it becomes too heavy to be supported by the rising air and you fall to the earth.

Go to **Snow**

As a cloud, you are constantly changing shape but otherwise you continue to float in the atmosphere.

STAY where you are!

www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_glaciers.pdf

There are over 35 lesson plans in the National Weather Service education website JetStream - An Online School for Weather, a free resource at **www.srh.weather.gov**.

You break off (calve) from the glacier and become an iceberg in the ocean. You melt.

Go to the **Ocean**

You change from a solid (ice) to a gas (water vapor) through the process of ***SUBLIMATION.***

Go to the **Atmosphere**

You melt and ***PERCOLATE*** into the underground water.

Go to the **Aquifer**

You remain locked in ice in the glacier.

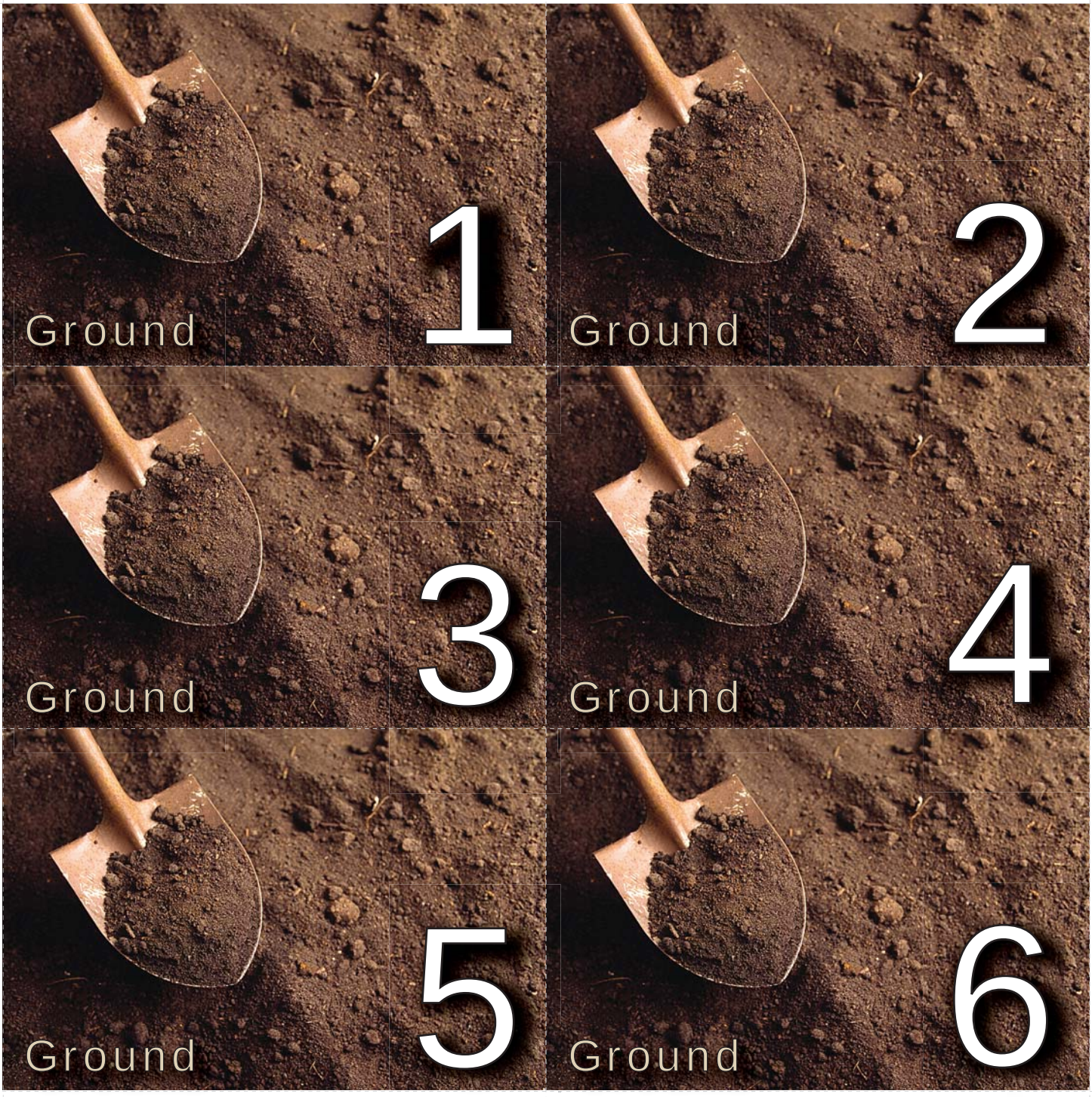
STAY where you are!

You ***INFILTRATE*** into the ground making it moist.

Go to the **Ground**

You melt and become ***RUNOFF***.

Go to the **Lakes & Rivers**



www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_ground.pdf

You are absorbed into the root of a tree.

Go to **Plants**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You ***PERCOLATE*** deep into the earth.

Go to **Aquifers**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You change from a liquid (water) to a gas (water vapor). This process is called ***EVAPORATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You change from a liquid (water) to a gas (water vapor). This process is called ***EVAPORATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You change from a liquid (water) to a gas (water vapor). This process is called ***EVAPORATION***.

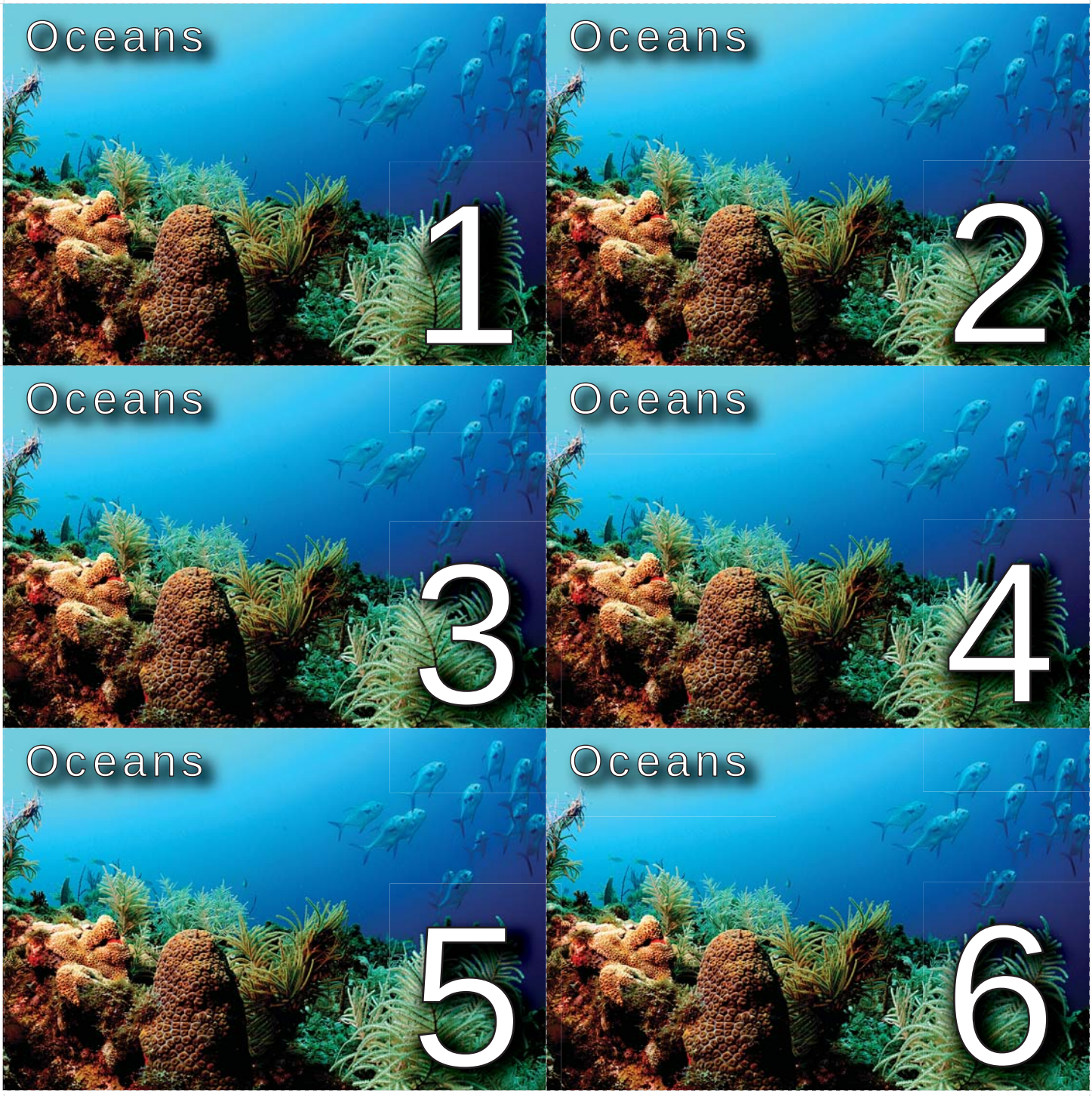
Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You are absorbed into the root of a blade of grass.

Go to **Plants**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream



www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_oceans.pdf

There are over 35 lesson plans in the National Weather Service education website JetStream - An Online School for Weather, a free resource at **www.srh.weather.gov**.

You float in the ocean.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

With heating from the sun you change from a liquid (water) to a gas (water vapor) by the process of ***EVAPORATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You float in the ocean.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

With heating from the sun you change from a liquid (water) to a gas (water vapor) by the process of ***EVAPORATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You float in the ocean.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You float in the ocean.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_plants.pdf

There are over 35 lesson plans in the National Weather Service education website JetStream - An Online School for Weather, a free resource at **www.srh.weather.gov**.

You move as water from the roots to the leaves of the plant then evaporate into the atmosphere. This process is called ***TRANSPIRATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You move as water from the roots to the leaves of the plant then evaporate into the atmosphere. This process is called ***TRANSPIRATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You are used by the plant to move necessary minerals to the parts of the plants that require them and for photosynthesis.
You remain in the plant.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You move as water from the roots to the leaves of the plant then evaporate into the atmosphere. This process is called ***TRANSPIRATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You move as water from the roots to the leaves of the plant then evaporate into the atmosphere. This process is called ***TRANSPIRATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You move as water from the roots to the leaves of the plant then evaporate into the atmosphere. This process is called ***TRANSPIRATION***.

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_rivers.pdf

You flow into the ocean.

Go to the **Ocean**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You percolate into the groundwater (aquifer).

Go to the **Aquifer**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

A dry air mass combined with heating from the sun causes ***EVAPORATION.***

Go to the **Atmosphere**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You ***INFILTRATE*** into the ground.

Go to the **Ground**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You flow into the ocean.

Go to the **Ocean**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You continue to flow from lakes to rivers.

STAY where you are!

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

www.srh.noaa.gov/jetstream/atmos/ll_whatacycle_snow.pdf

There are over 35 lesson plans in the National Weather Service education website JetStream - An Online School for Weather, a free resource at **www.srh.weather.gov**.

You melt and ***RUNOFF*** into a small stream, then a river and after that a lake.

Go to the **Rivers & Lakes**

You melt and ***INFILTRATE*** into the ground making it wet and muddy.

Go to the **Ground**

You change from a solid (ice crystals) to a gas (water vapor). This process is called ***SUBLIMATION***.

Go to the **Atmosphere**

You melt and ***RUNOFF*** into a small stream, then a river and after that a lake.

Go to the **Rivers & Lakes**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

You melt and ***INFILTRATE*** into the ground making it wet and muddy.

Go to the **Ground**

JetStream - An Online School for Weather
www.srh.noaa.gov/jetstream

More and more snow falls on you and you get compacted into ice.

Go to the **Glaciers**