

Investigation 5: The Causes of Weather

This investigation will help you to:

- Learn more about main loop of the water cycle.
- Learn more about evaporation and condensation.
- Learn more about clouds and precipitation.

To learn more about main loop of the water cycle, visit the following web sites:

Water: A Never Ending Story, **University of Washington**

This web page is designed for students and teachers. It includes activities about different processes in the water cycle with some background material to help teachers.

Make a Water Cycle Wheel, **Illinois EPA**

Print out these pages and follow the instructions to make your own water wheel. See how the water moves from the ocean to the air to the land and back again.

Follow a Drip Through the Water Cycle, **USGS**

Read a story about a drop of water as it goes through the entire water cycle. To help, some of the terms are linked to their definitions in a glossary.

The Water Cycle, **EPA**

Learn more about how sunshine, evaporation, rain, snow, mountains, rivers and streams, and oceans are all involved in the water cycle processes.

The Water Cycle, **Earth Observatory**

A discussion of the water cycle and it's importance to life.

To learn more about evaporation and condensation, visit the following web sites:

Evaporation, **USGS**

Find out about evaporation in the water cycle.

Condensation, **USGS**

Find out about condensation in the water cycle.

To learn more about clouds and precipitation, visit the following web sites:

Cloud Classification, **Plymouth State College**

This site offers a boutique of different cloud photos and descriptions. It also explains how and why clouds form at different elevations.

Clouds and Precipitation, Online Meteorology Guide, **University of Illinois**

Topics covered on this site include:

- Development,
- Cloud Types,
- and Precipitation.

