You may use this lapbook for your personal use.

Please do not make copies of it for anyone else.

If you would like to share it with someone, please direct them to our website so they can download or print it themselves.
Library List:

*The Snowflake: A Water Cycle Story* by Neil Waldman (younger kids)
*A Drop of Water: a Book of Science and Wonder* by Walter Wick
*Drip Drop: Water's Journey* by Eve & Albert Stwertka

Resource sites:

[T]he water cycle flash media explanation
Fun water facts
Information on the water cycle best for older kids
Information on the water cycle, conservation, and the Clean Water Act
Types of aquifers

Activities

1. Vocabulary
2. Water Cycle Wheel
3. Evaporation/Transpiration
4. Condensation
5. Precipitation
6. Aquifer
7. Water Cycle word search
8. Ways we use water
9. Water Facts

**Activity 1:**

Vocabulary
1. vapor
2. infiltration
3. transport
4. hydrologic
5. conservation

**Activity 2:**

[Water Cycle wheel](https://www.HomeschoolHelperOnline.com)
Hands-on: Do this activity to watch the water cycle at work for yourself. Record it in your lab book.

**Activity 3:**

Evaporation/Transpiration - In your mini-book explain what each process is. How are they different? How are they the same?

Hands-on: Put a pot of water on the stove and bring to a boil. What's going on? Why? Record your experiment in your lab book

**Activity 4:**

Condensation - Explain what condensation is. What forms as a result of condensation?

Hands-on: you'll need 4 identical glasses, ice water, fridge, and freezer. Use one glass as a control glass by setting it on the table. Place one glass in the fridge and one in the freezer. Fill the last glass with ice water. After 10 minutes take the glasses from the freezer and fridge, place on the table next to the other glasses. What do you see? Feel the glasses, are they wet? Where did the water come from? Is it necessary for the glass to be filled with water to get water on the outside? Record your observations in your lab book.

**Activity 5:**

Precipitation - What is precipitation? How is precipitation formed? What are the benefits?

Hands-on: You'll need - a tea kettle containing 1 to 2 glasses of water, small sauce pan, cold water with ice cubes, stove, pot holders, small bowl

Procedure - bring water in tea kettle to boil. Place ice water in sauce pan. When steam is rising from kettle, hold pan of water over spout so steam is hitting bottom and side of pan. Make sure to have small bowl under pan to catch your rain and use pot holders so you don't get burned.

What is going on? Why? Record your observations in your lab book

**Activity 6:**

Aquifer - what is an aquifer? What is the purpose of an aquifer? Name some types of aquifers.

Hands-on: Build a model of one kind of aquifer

**Activity 7:**

www.HomeschoolHelperOnline.com
Water cycle word search

Activity 8:
Ways we use water - List some ways that we use water

Activity 9:
Water Facts - find the answers to these questions.
1. How much of the earth's surface is covered with water?
2. How much of the earth's water can be used as drinking water?
3. When was the Safe Drinking Water Act passed?
4. What temperature does water boil?
5. What temperature does water freeze?
6. How much water does it take to brush your teeth, shower, and flush the toilet?
7. How much of your body is made up of water?
Cut out around outer edges and attach together with a brass fastener to form a fan fold. Write the word and definition on the cards.
Cut along outside edges and tri-fold

Evaporation/Transpiration
Cut out along outer edges and fold along center line

Condensation

Cut out along outer edges and tri-fold

Precipitation
Cut out along outside. Fold along center line. Draw an example of an aquifer on the front cover.
Cut out along outer edges of square and fold in half to store in lapbook.
Cut out along outside lines and fold accordion style. Attach sections by overlapping one section and gluing.
To make lab book cut out cover pages around outside. Then fold in half and cut out rectangle. Cut out pages around outer edges. Cut along center line on each side down to little line. Assemble by rolling pages and sticking through rectangle.