

Water Cycle- Evaporation



Supplies Needed:

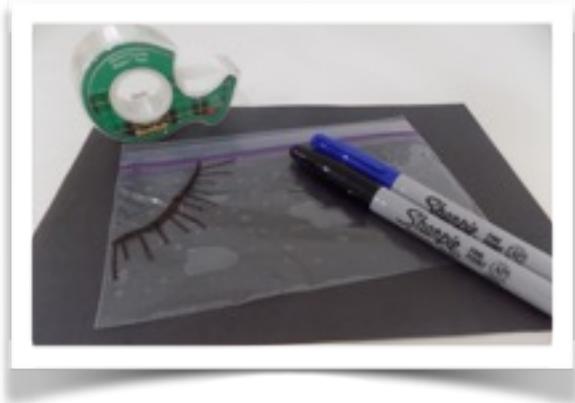
Sidewalk chalk
Gallon of tap water
Sidewalk or blacktop area
Thermometer
Yardstick

Helpful Hint:

Decide on a safe place on the school campus where your puddle will not be disturbed by anyone.

1. Go outside first thing in the morning and pour the gallon of water out to form a puddle.
2. Place a thermometer next to the puddle.
3. Trace around the outside edge of the puddle, record the time and temperature.
4. Go out and trace the outside edge of the puddle periodically throughout the day using a different color chalk each time. As you trace the outside edges record the time and temperature. Continue this process until the puddle has completely evaporated.
6. Once the puddle has completely evaporated use a yardstick to measure the diameter of each colored outline.
7. Use the measurements and the temperatures to create a graph of the investigation. How do time and temperature effect evaporation?
6. Brainstorm any "I wonder..." questions that this experience evoked in the students and add them to a chart. This chart can offer some great continuations or extensions for future lessons.

Water Cycle in a Bag



Supplies Needed:

Water
Baggie
Optional food coloring
Permanent marker
Tape
Window

Helpful Hint:

Draw the sun on your baggie prior to adding the water.

To Begin:

1. Pour about 1/2 an inch of water into a baggie. Add food coloring if desired.
2. Seal the baggie and tape it against a window.
3. Observe and record any changes in your journal. Do you think the results would be different if the outside temperature changed?

Health Connection: Nutrition and Physical Activity

Standard 1: Essential Concepts

1.5.N Describe the benefits of drinking water in amounts consistent with current research based health guidelines.

All living things depend on water to live. The amount each person should drink depends on their age, weight, size, and activity level.

Learn more at <https://www.healthykids.nsw.gov.au/kids.../choose-water->
(Just copy paste this into the search box).