

RAIN GAUGE

Let's learn about the process of measuring rainfall using a rain gauge, interpreting the collected data, and exploring its significance in various contexts.

INSTRUCTIONS

STEP 1: Cut the top off of a plastic water bottle.

STEP 2: Invert it and place it inside the other half.

STEP 3: Now use a ruler to measure inches and mark on the outside of the bottle.

STEP 4: Place outside and wait! Record your observations.

SUPPLIES

Water bottle

Marker

Ruler

Scissors

THE SCIENCE

A rain gauge is like a special cup that helps us measure how much rain falls from the sky. When it rains, the water goes into the cup, and we can see how deep it gets. The numbers on the side of the cup show us how much rain there was. It's like keeping score of how much water comes from the clouds!

Putting the rain gauge in the right spot and making sure it's not too windy helps us get the right numbers. By using these cups, scientists and weather experts learn about rain and how much falls in different places, which helps them understand the weather better.

Rain Gauge Observations

Use this worksheet to process and evaluate your work.



How much rain did your gauge collect?

How can this data be used for agricultural, environmental purposes?

In what ways does understanding rainfall impact local communities or ecosystems?

What variations or changes in weather might impact the accuracy of your rain gauge measurements?

What did you learn about the science behind measuring rainfall?

