

Junior
Wildlife
Ranger



Bonus Activity

Make Your Own Rain Guage

This adventure activity belongs to:

Unlocked by
earning the
Winter Weather
Neighborhood Badge!



Make Your Own Rain Gauge

Have you ever wondered how much rain comes down from the sky? Create your own rain gauge to see for yourself!

Materials:

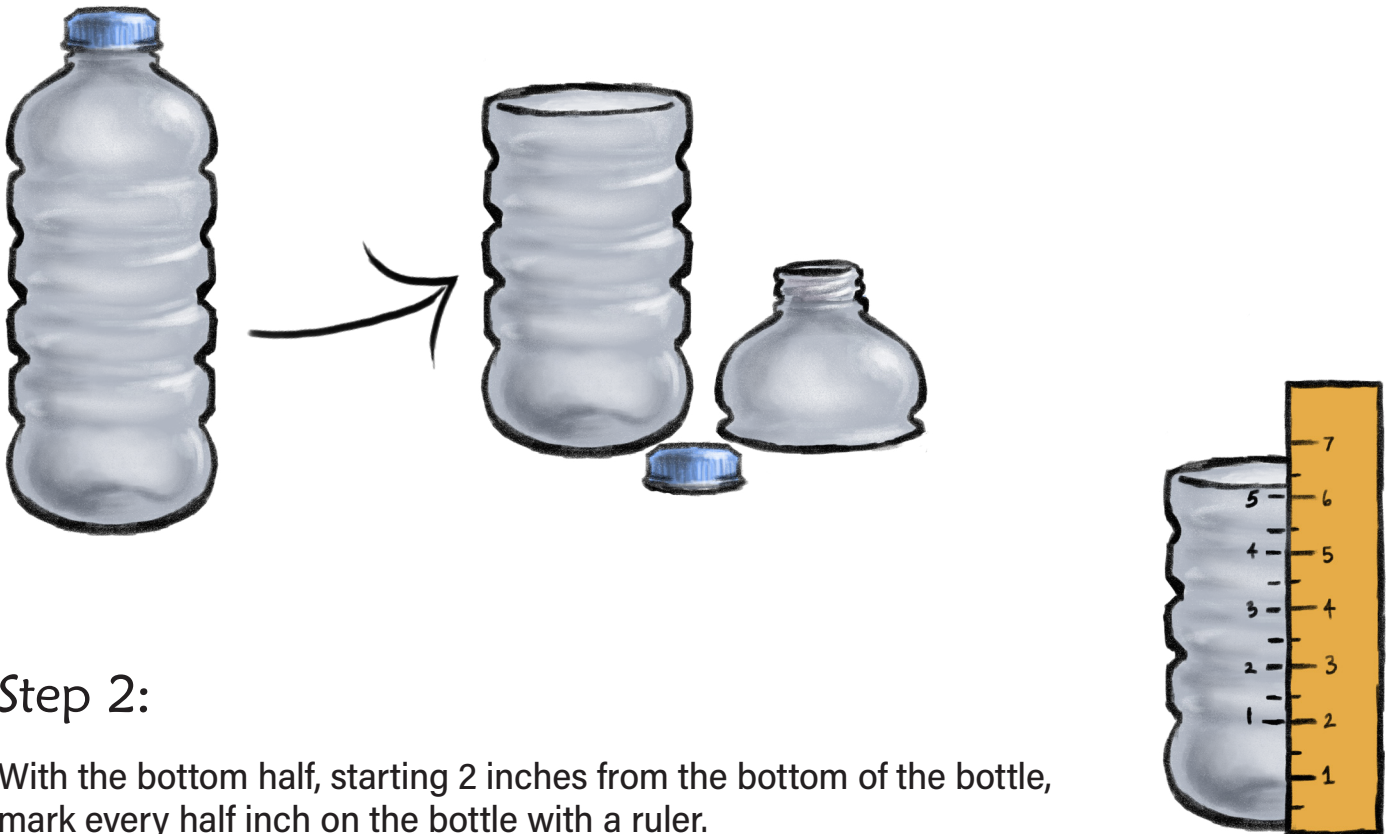
1. 1 Plastic bottle
2. A permanent marker
3. A pair of scissors or other cutting tool
4. A ruler or tape measure
5. ~ ½ cup of small rocks, gravel, or sand

Safety First!

If you don't use them properly, scissors or cutting tools can give you an injury. Please get the help of an adult when cutting the plastic bottle.

Step 1:

Prepare a clear bottle. Cut off the rounded top of the bottle in one piece, as shown.



Step 2:

With the bottom half, starting 2 inches from the bottom of the bottle, mark every half inch on the bottle with a ruler.

My Impact: Changing Climate

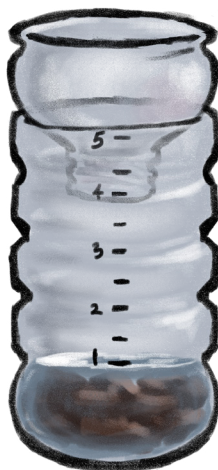
Step 3:

Put some rocks, gravel, or sand in the bottom of the bottle and fill with water up to the bottom line.



Step 4:

Turn the first half of the bottle upside down and place it back to the bottom half as a funnel. Remember to leave the cap off! Place the rain gauge in an open area when it is raining and watch as the rain is captured.



Fun Fact:

The width of your rain gauge doesn't matter - all straight-sided rain gauges will measure the same amount of rainfall!

Use this chart to record rainfall, or make your own! Check your gauge once a day and record where the water level reaches on the markings on your bottle.

Rainfall Over Time

Time (Days)	1	2	3	4	5	6	7
Rainfall (Inches)							

