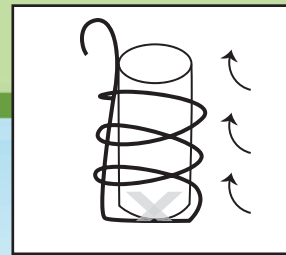
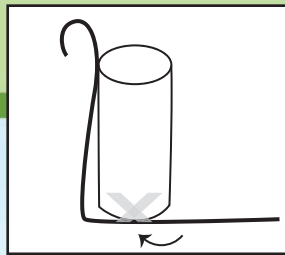
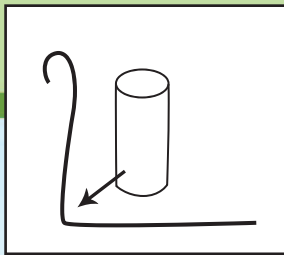


How to make a Rain Gauge



RAIN GAUGE

5



4.5



4



3.5



3



2.5



2



1.5



1



.5



Rain is a necessity for life on earth. The water cycle determines a lot about the health of an area. Too much or too little rain can cause problems like flooding and droughts. A rain gauge is a tool used by meteorologists and hydrologists to gather and measure the amount of rain that falls over a set period of time so it can be compared to other years. You, too, can find out how much rain falls in your yard by making a rain gauge and recording the measurements.

What you'll need:

- Clear tape
- Provided ruler
- A rainy day
- Nails
- Hammer
- Olive jar or steel can
- Scissors
- Coat hanger or wire

Directions:

1. First, print out this page and cut out the provided ruler. Tape it to the can or jar with the bottom's edge of the paper lining up with the bottom of the can. Applying transparent tape over the paper also waterproofs it.
2. Next, make a holding rack for your rain gauge to secure it in place during a storm. Bend the coat hanger or wire into an "L" shape with a flatted bottom (see picture). Tape the bottom to secure the wire, then twist the wire up the can or jar. Then, locate an open area to secure the gauge. The edge of a fence is an ideal place, or anywhere away from a rooftop or other objects that may block it. Secure the rack in place using the hammer and nails. Then slip your measuring glass into position.
3. Use the provided graph to chart your findings. Print off a copy and record each day's rain measurements.
4. Everyday, check your rain gauge and make a mark on your chart with the measurements for that day. When you have completed a full week of measurements, connect the dots on the chart. If you do this for two months, you can total each month's measurements and see which month received more rain. You also can compare your local rain forecast from the night before with the results on the chart.

WEEKLY RAINFALL GRAPH

