

# Barometer (Pressure Gauge)

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## Materials:

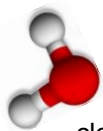
- Glass Jar
- Large balloon
- Rubber band
- Scissors
- Tape
- Straw
- Paper

## Instructions:

1. Cut off the neck of the balloon.
2. Wrap the balloon tightly around the opening of the jar.
3. Tightly secure the balloon to the mouth of the jar using a rubber band.
4. Tape one end of the straw to the center of the balloon, leaving the other end hanging over the edge of the jar.
5. Tape a piece of the paper vertically to a wall, or another location.
6. Place the jar next to the paper, and point the end of the straw to it.
7. Mark where the end of the straw meets the paper.
8. Check the straw every day. Make a mark and note the weather. Do you see any trends?

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## The Science



You've just created your very own barometer. The tight balloon over the mouth of the jar will respond to changes in air pressure. In times of high pressure, the outside air will push down on the balloon, causing the straw to raise. This usually results in quite weather conditions. On cloudy, rainy/snowy days, the air pressure is lower. There will be less outside air pushing on the balloon, allowing the air inside the jar to expand, lowering the straw.

## Did you complete this experiment?

You could become a certified Weather Lab Assistant. Send us a photo or video of you and the completed experiment at [kaaltv.com/weatherlab](http://kaaltv.com/weatherlab).

The Weather Lab Assistant of the week is announced on **Wednesdays on ABC 6 News Good Morning!**

