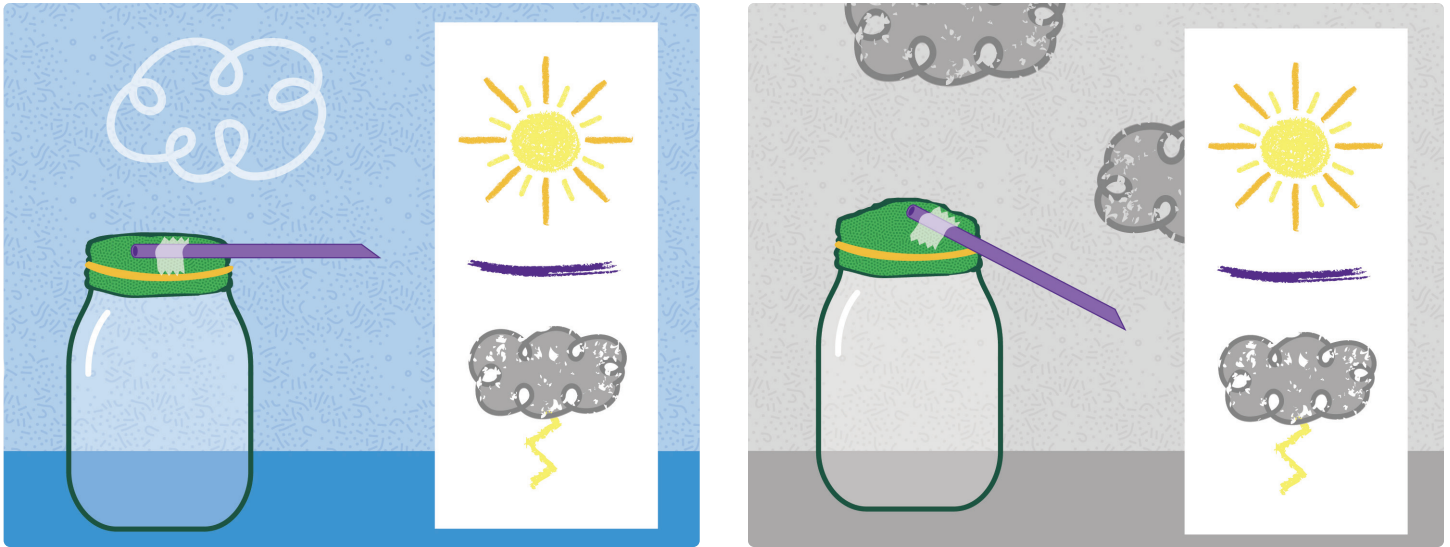




Sample Barometer



You'll need:

- Glass jar
- Rubber balloon
- Thick rubber band
- Plastic straw
- 8 ½ x 11 card stock
- Tape
- Scissors
- Markers

How to build it:

1. Carefully cut off the neck of a balloon. Set the neck aside, take the remaining part of the balloon, and stretch it tightly over the mouth of a jar (like the top of a drum).
2. Put a rubber band around the neck of the jar and the balloon to secure it with a tight seal.
3. Cut one end of a straw into an arrow shape. Lie the uncut end of the straw on top of the center of the balloon and tape it to the edge of the jar. The arrow end should stick out at least 6 inches past the edge of the jar. This creates the gauge. When the balloon expands or contracts, the straw will move up or down.
4. Fold the cardstock in half the long way, so it will stand up on its own.
5. Set the barometer close to the cardstock. Mark the spot where the arrow points with a line. This will be the barometer's neutral position. Neutral means not high or low.
6. Create a scale on the cardstock. Draw a picture of sunshine and good weather above the neutral line, and clouds, rain, snow, and storms below the neutral line.