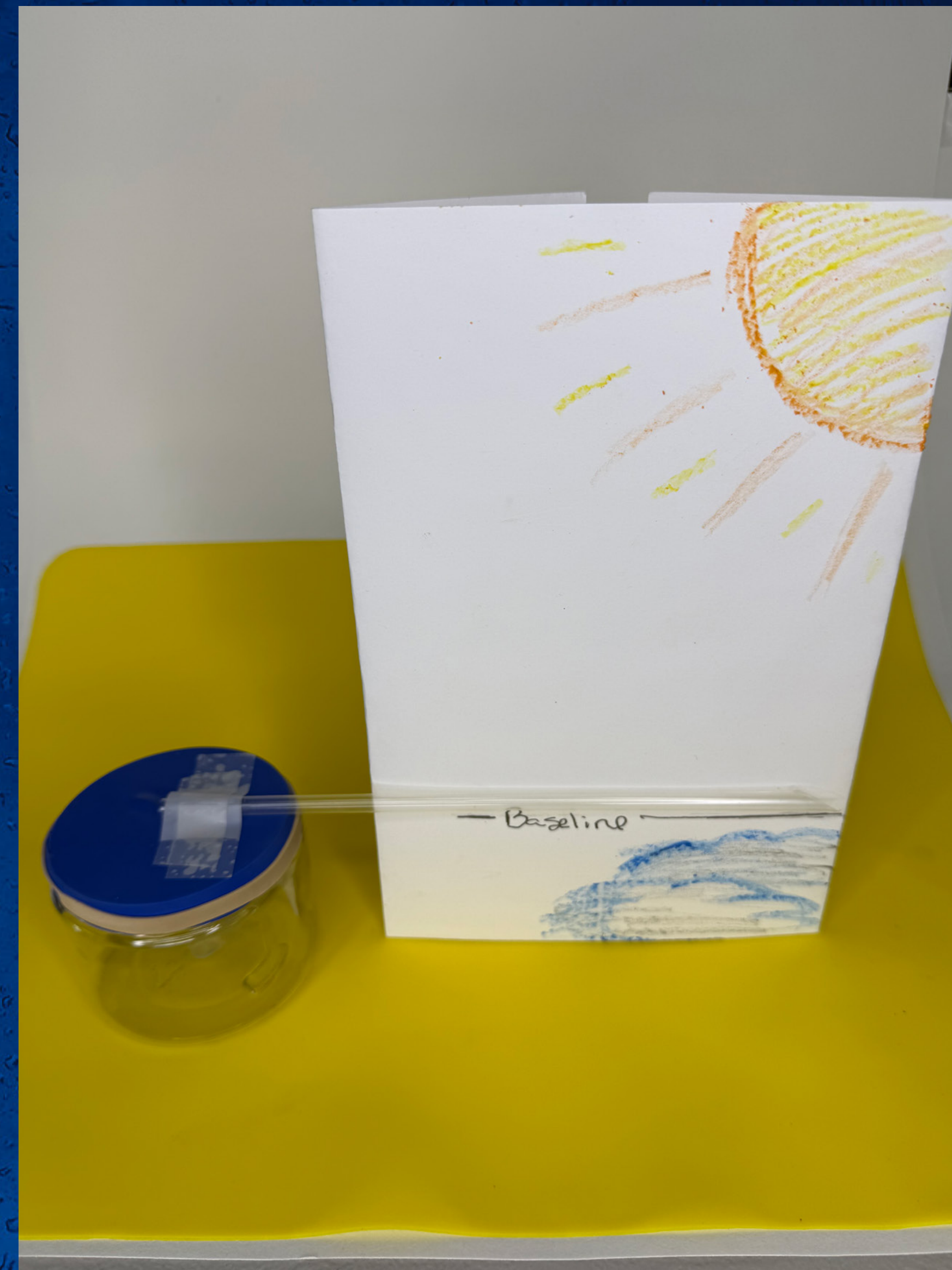


EXPERIMENT 3

BAROMETER

Let's find out how air pressure and weather are connected!



3 - BAROMETER



SUPPLIES NEEDED

- Craft Mat
- Scissors
- Crayons
- Tape
- 1 6oz Jar
- 1 Balloon
- 1 Rubber Band
- 1 Clear Straw
- Cardstock



3 - BAROMETER

STEP 1

Cut the neck off of the balloon.



STEP 2

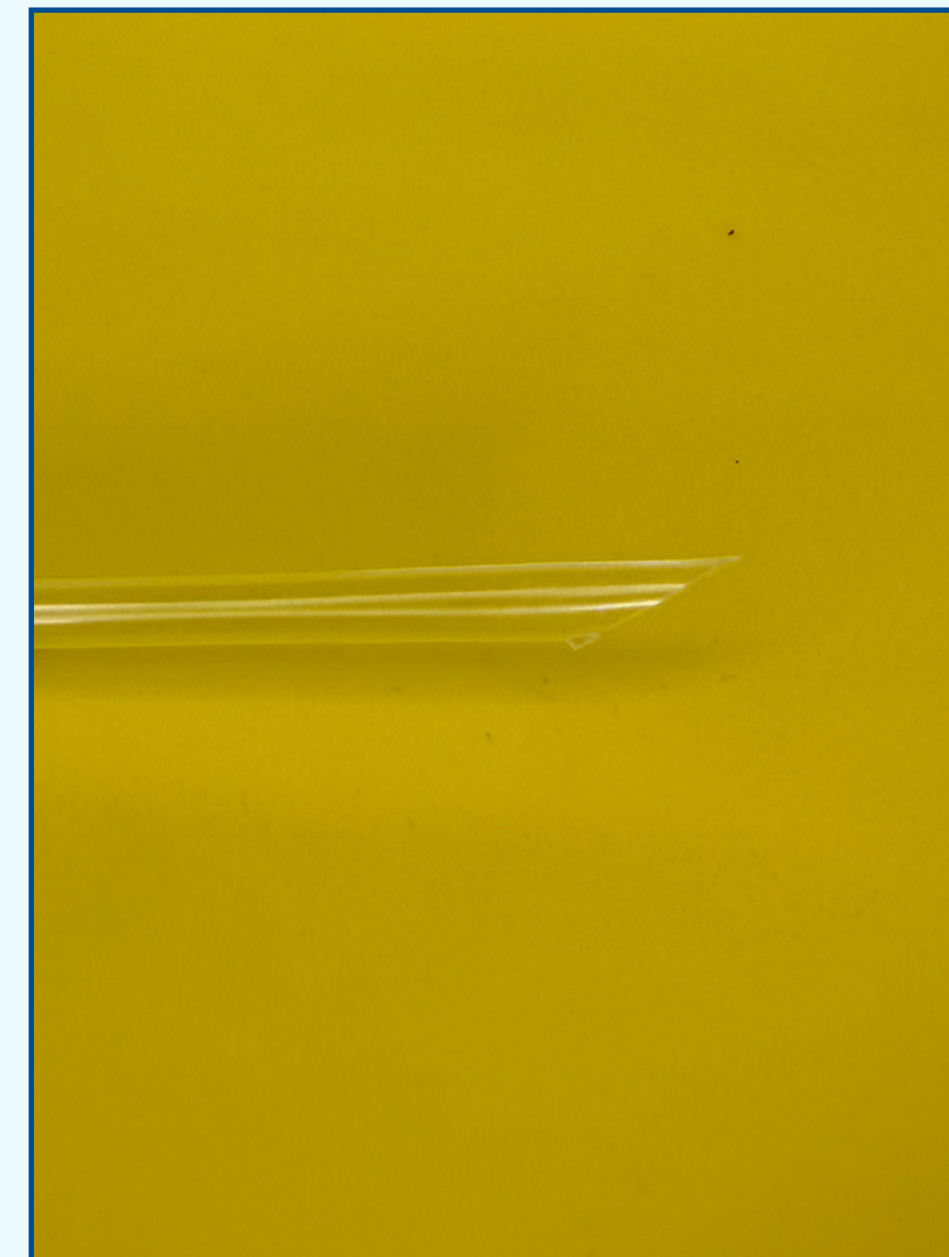
Stretch the balloon tightly over the top of the jar so there are no ripples.

Secure it with a rubber band.



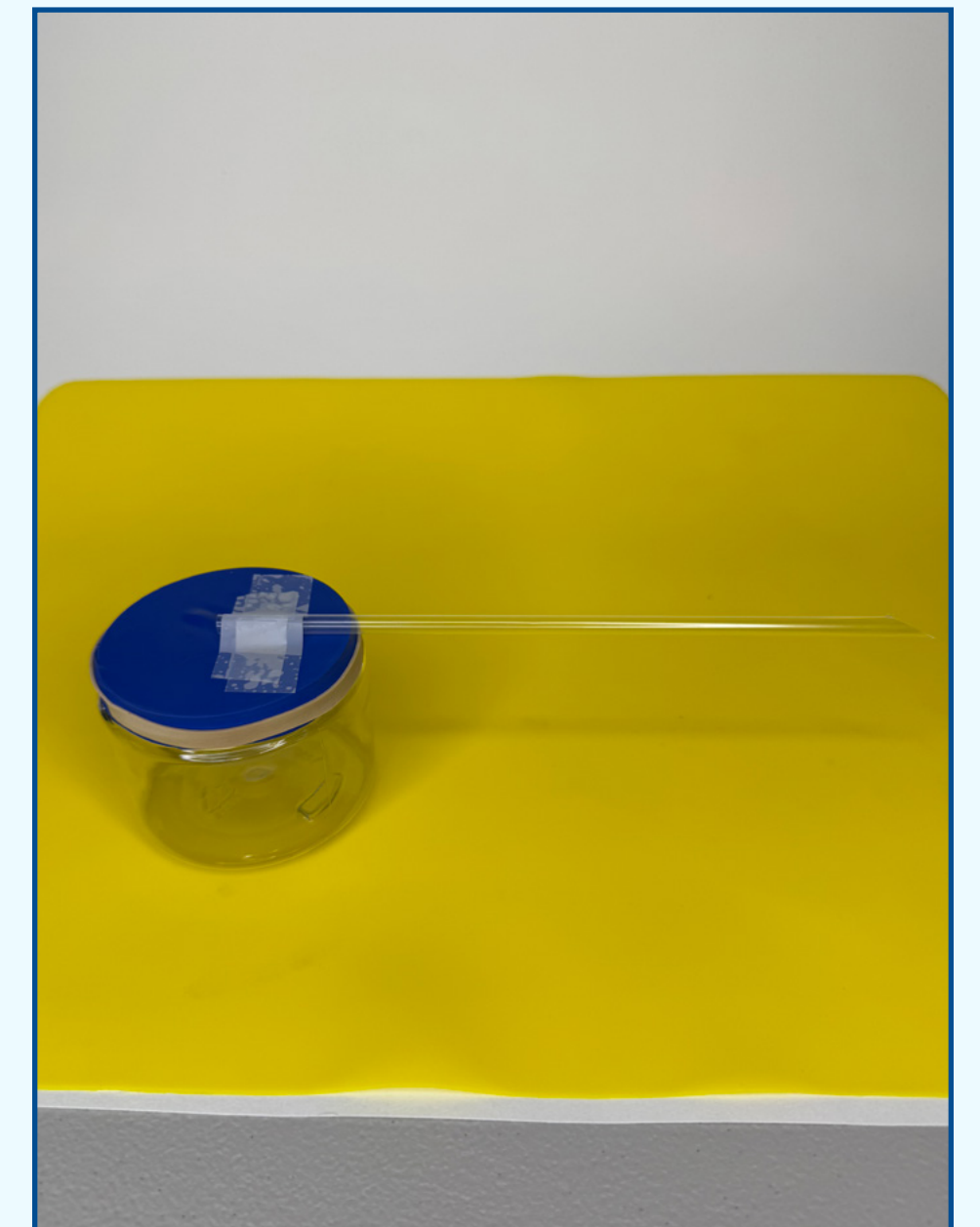
STEP 3

Cut the very end of the straw at a 45 degree angle so the very end is a pointer.



STEP 4

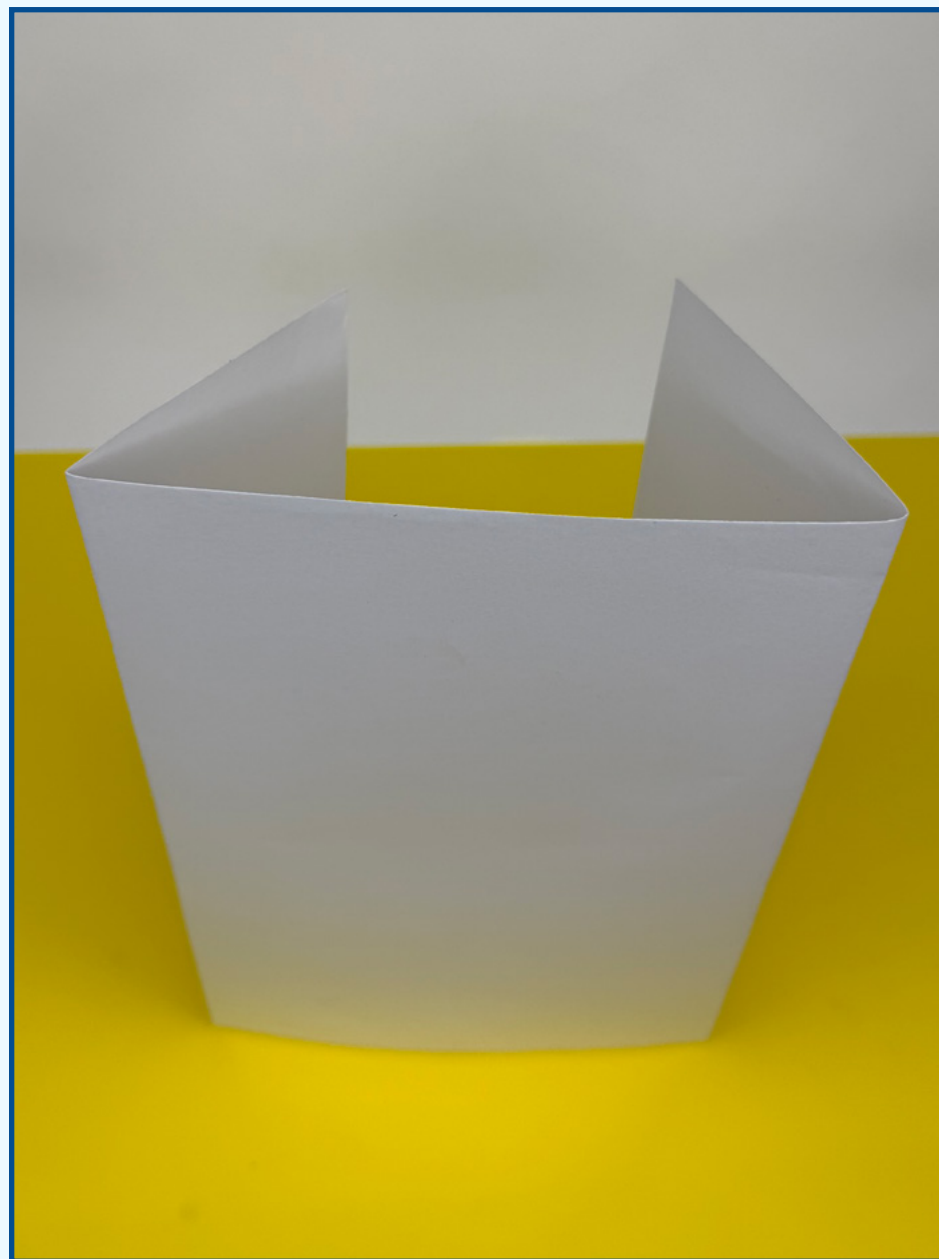
Tape (with 2 pieces) the straw across the top (like a pointer).



3 - BAROMETER

STEP 5

Place cardstock behind it and draw a scale.



STEP 6

Watch the straw – take note where the pointy end of the straw points to and what the weather and temperature are like. Either:

- a. Place your barometer in 3 different locations and mark where the straw points at each location
- b. Place your barometer in one place and check it 3 different times marking where the straw points at each time



3 - BAROMETER

HIGH PRESSURE

Balloon pushes down, straw rises.

LOW PRESSURE

Balloon dips, straw falls.

Low pressure systems create storms, wind, and ocean mixing.

TIME OF DAY OR LOCATION	READING	WHAT IS THE WEATHER LIKE?

