

# CURIOSITY AT HOME

## SHRINKING AIR



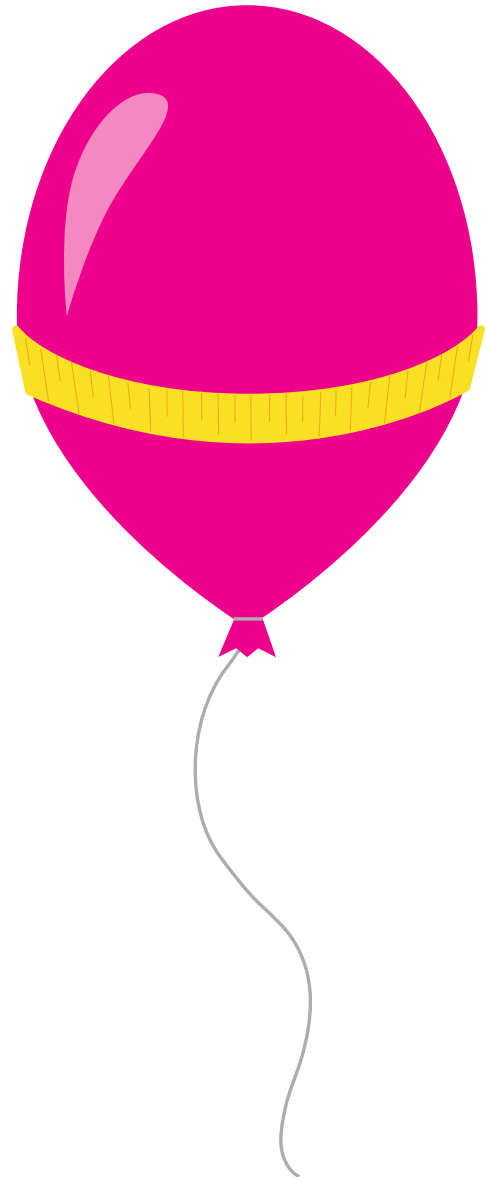
*Learn firsthand that air takes up space and changes due to the temperature.*

### MATERIALS

- 1 balloon
- refrigerator
- tape measure

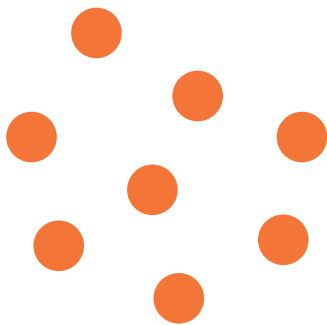
### PROCEDURE

- Blow up the balloon, and tie it tightly.
- Measure the widest part of the balloon with the tape measure and record the measurement.
- Put the balloon in the freezer for one hour.
- Remove the balloon from the freezer and measure it again at the widest point. Did it change size?
- Let the balloon stay at room temperature for another hour and measure it a third time.

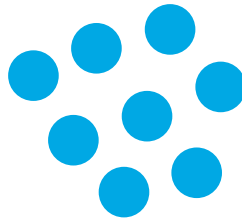


### DID YOU KNOW

As the air in the balloon cools, the molecules in the air move closer together, causing the balloon to contract.



Hot



Cold



Show us how you're being curious! Share your results with us.

PACIFIC  
SCIENCE  
CENTER

