

Activity: Huff N' Puff

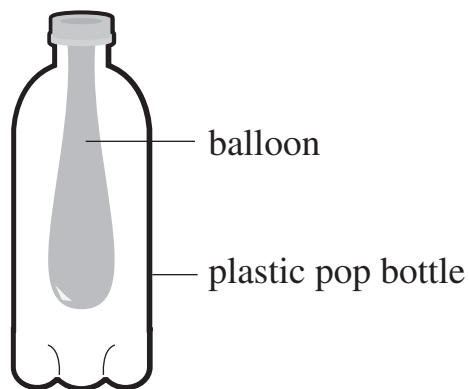
Problem: Does air take up space?

Hypothesis/Prediction:

Materials:

- deflated balloon
- plastic pop bottle with narrow neck

Diagram:



Procedure:

1. Push the deflated balloon into the bottle and stretch the open end of the balloon back over the bottle's mouth.
2. Without removing the balloon from the bottle, try and blow it up.

Observations:

Inference/Conclusions:

Activity: Air Force

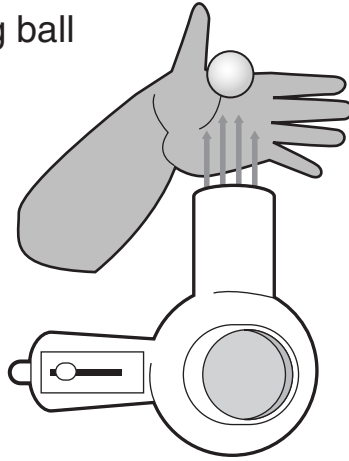
Problem: Can air support solid objects in sustained flight?

Hypothesis/Prediction:

Materials:

- hair dryer
- ping pong ball

Diagram:



Procedure:

1. Turn the hair dryer on to its top speed. Point the blower straight up.
2. Release the ping pong ball into the center of the air stream. Record your observations.
3. Slow the speed of the moving air by placing the hair dryer on a lower fan setting. Record your observations.

Observations:

Inference/Conclusions:
