

Lungs Expanding and Contracting

Equipment: 1 small plastic bottle
2 balloons
Scissors

Method: Step 1 Cut the plastic bottle horizontally in half.
You will be using the top half.

Step 2 Take the lid off the bottle and place the balloon around the rim of the bottle.

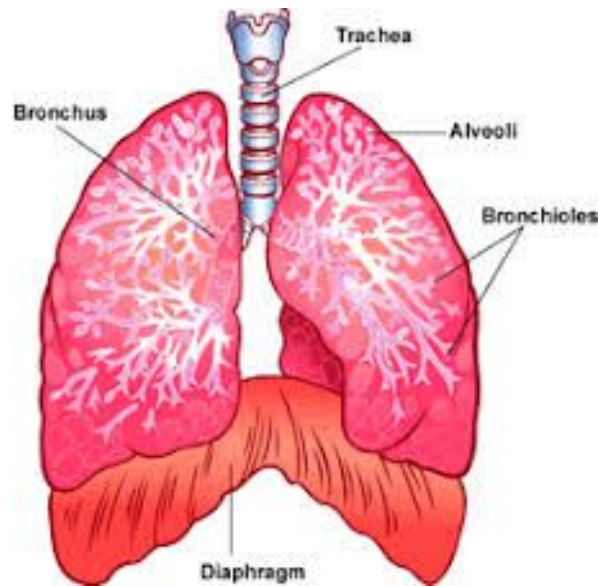
Step 3 Push the balloon inside the bottle using your finger. The neck of the balloon should still be around the rim of the bottle.

Step 4 Cut your second balloon in half horizontally. Using the lower half of the balloon put it around the bottom of your plastic bottle.

Step 5 Pull the balloon on the bottom of the bottle. You will see the first balloon inflates just like your lungs.

Hypothesis: I think the first balloon will inflate like your lungs usually do when the bottom balloon is pulled.

Results: The balloon inflated like our lungs do, just as we said in our hypotheses. The bottle represents our body, the first balloon represented our lungs and the second balloon represents our diaphragm. When the diaphragm is pulled down the lungs expand. When the diaphragm is down the lungs deflate.



By Dora Madden