

Lab Sheet: Balloon Bottles

Materials needed	<p>You will need:</p> <ul style="list-style-type: none">• Two empty water bottles or juice bottles (around 500ml or less)• two balloons• a metal screw or sharp-tipped object
Hypothesis What do you think will happen?	

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Steps

1. Stretch the mouth of a balloon over the mouth of an empty plastic pop or juice bottle, with the body of the balloon inside the bottle.
2. Holding the mouth of the balloon so that it doesn't slip off the bottle, try and blow it up inside the bottle. Can you do it?
3. Take the other empty bottle (or the same one if you only have one) and with the help of an adult, use the push pin, thumb tack, or nail to poke a small hole a centimeter or two wide in the side of the bottle.
4. Repeat steps 1 and 2 with this new bottle.

Was it easier or harder to blow up the balloon? Why do you think that is? What happens if you make the hole in the side bigger.

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<p>Observations</p> <p>*Remember observations can be recorded with pictures, numbers and/or words!</p>	
<p>Conclusions</p>	<p>What property of air does this experiment help us prove?</p> <p>Explain your thinking and try to use words and diagrams to support your answer.</p>