

## Lab Sheet: Balloon Rockets

<b>Materials needed</b>	<ul style="list-style-type: none"><li>• 1-2 balloons</li><li>• 1-2 plastic/paper drinking straws</li><li>• Scissors</li><li>• String, rope, or thread (small enough to thread through straws), for best results try to find something at least 1m long</li><li>• Tape</li></ul>
<b>Hypothesis – what do you think will happen?</b>	

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### Procedure

1. Tie one end of the long string, rope or thread to a door handle, chair, or other sturdy object
2. Cut two 4-5cm segments of straw and thread them onto the string
3. Pull the string tight and tie it to another chair/sturdy object, or have someone hold it tight for you, the tighter you tie or hold the string the better your results will be
4. Blow up a balloon (don't tie the end) and tape it to the two pieces of straw on the string to create your rocket. Make sure you leave some space between the two pieces of straw, this will help your rocket fly straight
5. Slide your rocket along the string so that the mouth of the balloon is close to the end of the string and then let go. What happens?

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### Observations

\*Remember observations can be recorded with pictures, numbers and/or words!

### Conclusions

What conclusions about how air behaves can you make based on your observations? Draw a sketch and label your diagram to help illustrate what you have learned about the air's behaviour.