

# HOME AIR QUALITY EXPERIMENT

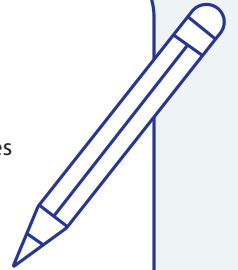
Find out what's in your air at home!



This experiment collects particles in the air using a pollution trap made from a piece of sticky tape or Vaseline on white paper. Using this simple experiment, you can compare different sites around your home to see what's in the air.

## WHAT YOU'LL NEED

- One piece of A4 paper
- Scissors to cut paper into six squares
- Pen
- Double-sided tape or Vaseline
- Blu-Tack
- Notebook or paper for recording observations
- Camera (optional)



## INSTRUCTIONS

1. Cut out six squares of white paper. We've created a template you can use, but any piece of plain white paper will do!
2. Make sure your six squares are the same size.
3. Label each square with where you are going to put it. Include a mixture of locations inside, outside, close to the street and further from the street. Choose locations with shelter from the rain.
4. Put a strip of double-sided tape or smear a thin layer of Vaseline in the middle of each square.
5. Attach each square to a flat wall or window using a small piece of Blu-Tack on the back. Make sure the label on the square matches the location where you put it!
6. Check your pollution traps every day to see how many particles have collected on them. You might like to take a photo or create a scoring system to compare the different sites. For extra interest you might like to record any observations of what the weather is like each day: is it windy, wet, can you see dust or smell smoke in the air outside?
7. Leave the pollution traps out for at least five days.
8. Line up all the traps and take a photo of your results.

## QUESTIONS TO CONSIDER AT THE END OF THE EXPERIMENT

1. Which location collected the most pollution? Why do you think that is?
2. Which location collected the least pollution? Why do you think this location collected less than the others?
3. Was there more pollution on your inside traps or outside traps? Did this surprise you?
4. What do you think would happen if you repeated your experiment during different seasons? Is there more pollution during winter (when people are using wood burners to heat their homes), compared to summer?



Remember to send us a photo of your finished experiment to: [AirAware@tasman.govt.nz](mailto:AirAware@tasman.govt.nz)





LOCATION: \_\_\_\_\_



LOCATION: \_\_\_\_\_



LOCATION: \_\_\_\_\_



LOCATION: \_\_\_\_\_



LOCATION: \_\_\_\_\_



LOCATION: \_\_\_\_\_