

Your Initials:	Year:	Class:
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Air Quality Adventure - Exploring your air

We all need clean (good quality) air to stay healthy. The bad bits that make our air dirty mostly come from cars or other vehicles. The people in charge of telling us how to stay well (Public Health England) say having clean air to breathe is the most important thing for our health, especially for children. Your grown up can find out more by watching this video: (scan QR code or use this link: [Air pollution: what are the effects on humans? - BBC News](https://www.bbc.com/news/health-12345))



The bad bits (main pollutants) are called nitrogen dioxide and particulate matter. A car idling (engine left running when stopped) gives out 150 balloons worth of fumes which are filled with these gases every minute! They are invisible, so it's hard to know how clean the air is, but there are ways we can see it.

To do:

You can find out about your air using sticky tape. Some of the bad bits (pollutants) in air stick to what they land on. When we stick the tape to things, it lifts off this dirt so we can get an 'idea' of how clean the air is.

Your job is to do an experiment to see how clean the air is in different places. Do this by:

1. Choose three places to test the air (somewhere you think the air is clean and somewhere you think it's dirty).
2. Get a small piece (3cm) of tape and stick it onto something in that place.
3. Peel it off and then stick the tape onto this sheet in the table below.
4. Complete the table and box underneath. Write your initials, year and class on it and give it to your teacher.

Remember to:

- Use a new bit of tape for each place
- Try to use the same thing (surface) to stick your tape to at all the places for example leaves or a lamp post
- Safety first: please make sure you are with an adult and take care by the roads.

Sticky Tape Sample	Place	What I Can See