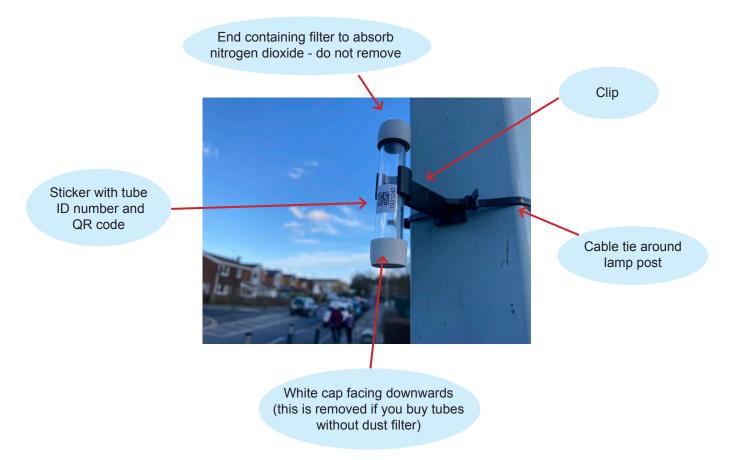


| Name: Class: | Year: |
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# **Diffusion Tubes Student Worksheet**



#### **Facts**

- Air pollution is unwanted chemicals, gases, and particles in our air.
- Diffusion tubes measure air pollution.
- The type of air pollution they measure is called nitrogen dioxide.
- It mostly comes from vehicle (car) exhausts.

### **Think**

At school, where do you think you would find:

- The most air pollution?
- The least air pollution?









# **Activity**

- 1. Decide where to put the diffusion tubes. Think about where you will get the most CONTRAST in the results where do you think you will get low readings? Where do you think you'll get high readings?
- 2. Put them up and leave for 2-4 weeks.
- 3. Remove and send off to a science laboratory and wait for the results.

| Location of Diffusion Tube | Prediction (give each site a number - 1 for the lowest and 4 for the highest level of NO2) – Why do you think this? | Result – the level of nitrogen dioxide we found. Next to the results give each site a number – 1 for the lowest and 4 for the highest – was your prediction correct? |
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# Teachers:

Please see 'Diffusion tube' sheet in the 'BCP Clean Air schools' toolkit for further guidance and recommendations on using diffusion tubes. Link to toolkit: <a href="www.bcpcouncil.gov.uk/cleanair">www.bcpcouncil.gov.uk/cleanair</a>





