# Chemistry Of The Atmosphere – Air Pollution in the Modern World

This week I would like to you to write a report on air pollution. The report should be 2-3 sides of A4. The report should answer ***some of the following questions*** although these are guide questions only. You can structure the report any way you wish:

* What are the main air pollutants in London?
* What are oxides of nitrogen and why are they a problem?
* What are some adverse health effects of different air pollutants?
* Why are some chemicals considered “greenhouse gases”?
* What are the main pollutants from aeroplane fuel?
* What is the “no fly movement?”
* How has the corona virus lockdown affected air pollution in London and other cities?
* What air pollution is caused by the chemical industry in particular?
* How is air pollution monitored?
* What steps are being taken to improve air quality in the UK and other countries?

Feel free to research any other ideas relating to air pollution not listed here. Images/diagrams/graphs are encouraged!

Some links to help get you started:

<https://www.londonair.org.uk/LondonAir/nowcast.aspx>

Real time air pollution monitoring for London.

<https://toxtown.nlm.nih.gov/chemicals-and-contaminants/nitrogen-oxides>

Nitrogen oxides information. There are lots of other sources online.

<https://www.environmental-protection.org.uk/policy-areas/air-quality/air-pollution-and-transport/aviation-pollution/>

Air pollution from aeroplanes.

<http://www9.who.int/airpollution/en/>

World Health Organization – lots of good information here on various facets of air pollution.

<https://www.nationalgeographic.com/science/2020/04/pollution-made-the-pandemic-worse-but-lockdowns-clean-the-sky/>

Article on the lockdown. Lots of other great articles on national geographic.

<https://phet.colorado.edu/en/simulation/greenhouse>

University of Colorado make lots of excellent simulations relating to Chemistry and Physics. This is a simulation of the greenhouse effect. (You have to download this simulation to run it).