



## Chemistry of the Atmosphere - quick fire questions

This worksheet is fully supported by a video tutorial; <https://youtu.be/DznhhA2QHUg>

1. How much oxygen is there in the atmosphere?
2. How much carbon dioxide is there in the atmosphere?
3. How much nitrogen is there in the atmosphere?
4. How was the early atmosphere different to today's?
5. What led to an increase in oxygen in the atmosphere?
6. What led to the increase in nitrogen in the atmosphere?
7. Give two things that led to a decrease in carbon dioxide in the atmosphere.
8. What are three greenhouse gases?
9. How do greenhouse gases interact with radiation?
10. What does increased level of these gases in the atmosphere have on the climate?
11. Give two activities that lead to an increased level of greenhouse gases in the atmosphere.
12. What are the predictions of the effects of greenhouse gases on future temperature levels?
13. Define the term carbon footprint.
14. What are the major sources of atmospheric pollution?
15. What effect does carbon dioxide have on the atmosphere?
16. What effect does sulfur dioxide have on the atmosphere?
17. What effect does water vapour have on the atmosphere?
18. What effect does carbon monoxide have on the atmosphere?
19. What effect does nitrogen oxides have on the atmosphere?
20. What effect do carbon particles have on the atmosphere?
21. What effect does pollution have on humans?
22. What effects does pollution have on plants?
23. What effect does pollution have on animals?