



Factual Recall Questions for AQA GCSE Chemistry Unit 9 Chemistry of the atmosphere



To accompany the YouTube video:

<https://youtu.be/ZsArfqWikul>

1. How long has the Earth's atmosphere been relatively constant for?
2. During this time what has been the main gas?
3. What proportion of the atmosphere is this?
4. What proportion of the atmosphere is oxygen?
5. What other three gases make up a small amount of the atmosphere?
6. Why is evidence for the Earth's early atmosphere limited?
7. What was the surface of the Earth like during the first 1 billion years?
8. Why were there no oceans in the early period of Earth?
9. Which other planets was Earth's atmosphere similar to at this time?
10. Which two gases did the volcanoes produce lots of? Which two gases did they produce smaller amounts of?
11. How did the formation of oceans affect the amounts of different gases in the atmosphere?
12. Name three carbon sinks
13. What was the first organism to begin producing oxygen?
14. What process did they use to do this?
15. Write a word equation
16. Write a symbol equation
17. How long after this did plants evolve?
18. What is a greenhouse gas?
19. Name three greenhouse gases
20. What would Earth be like without any greenhouse gases?
21. Describe the link between greenhouse gases and climate change, with reference to short and longwave radiation
22. Give two examples of human activities that increase carbon dioxide
23. Give two examples of human activities that increase methane
24. Give four potential effects of climate change
25. Describe what is meant by a carbon footprint
- 26.** Name three activities that increase the size of a person's carbon footprint
27. Name five pollutants produced by burning crude oil
28. Describe how each of these is formed
29. What is acid rain and where does it come from?
30. What is global dimming and what causes it?
31. Why is carbon monoxide dangerous?