

**AQA, OCR, Edexcel**

**GCSE Science**

# **GCSE Chemistry**

Earth's Atmosphere  
Questions

**M M E**

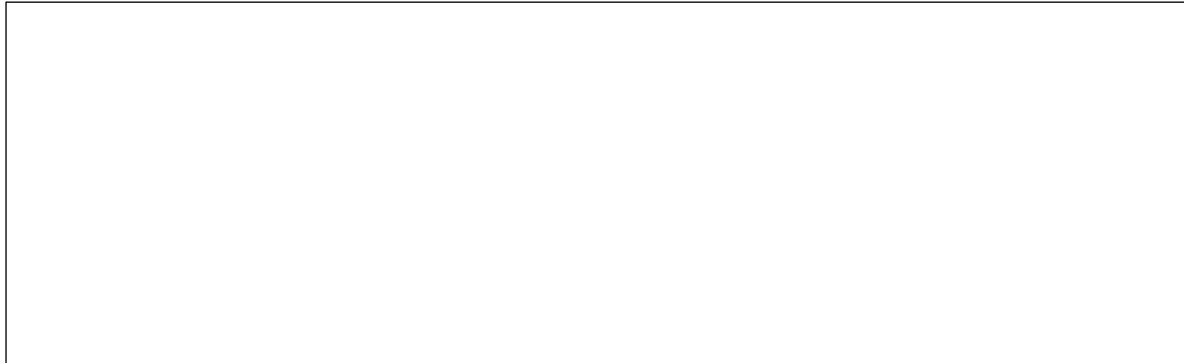
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Total Marks: /21

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***The proportions of different gases in the atmosphere***

Q1: For 200 million years, the proportions of different gases in the atmosphere have been much the same as they are today. Using this box, if the whole box is the atmosphere, represent the proportion of gases and what they are, by splitting the box up into different sizes.



(3 marks)

Q2: Describe the theory for the development of the Earth's atmosphere in the first billion years of the Earth's existence.

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(3 marks)

Q3: During the first billion years which planets would the atmosphere have been similar to?

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(2 marks)

Q4: Volcanoes also produced nitrogen which gradually built up in the atmosphere. This may have produced which other gases?

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(2 marks)

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Q5: How did the oceans reduce the amount of carbon dioxide in the atmosphere?

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(3 marks)

Q6: Algae and plants produced the oxygen that is now in the atmosphere. Represent this in an equation. Both word and symbol

Word:

Symbol

(4 marks)

Q7: Explain how the differing levels of oxygen enabled animals to evolve.

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(2 marks)

Q8: How did carbon dioxide in the atmosphere decrease from the early atmosphere to now?

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(2 marks)