



Chemistry of the Atmosphere

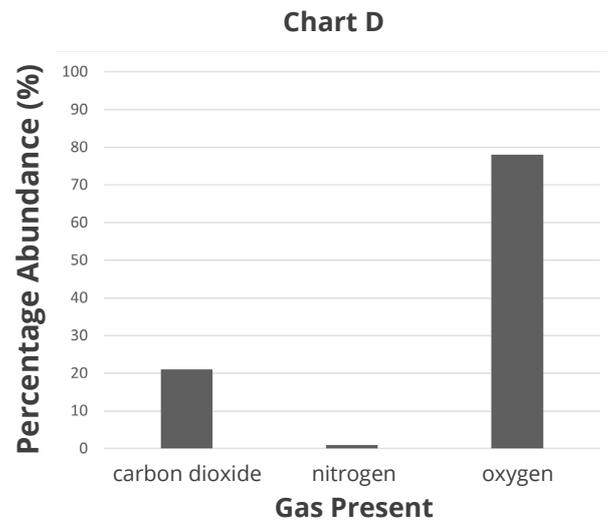
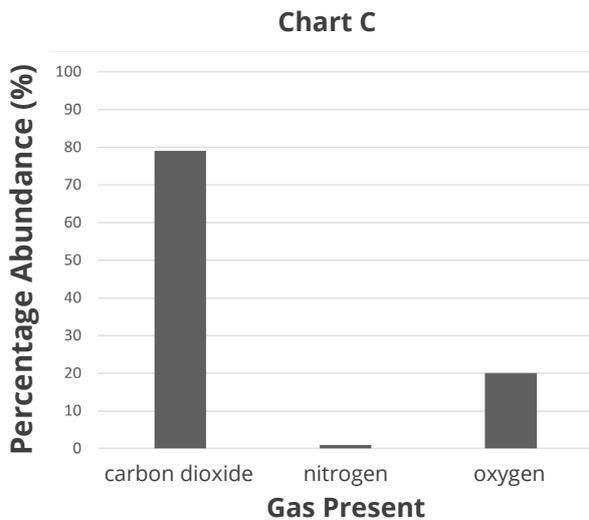
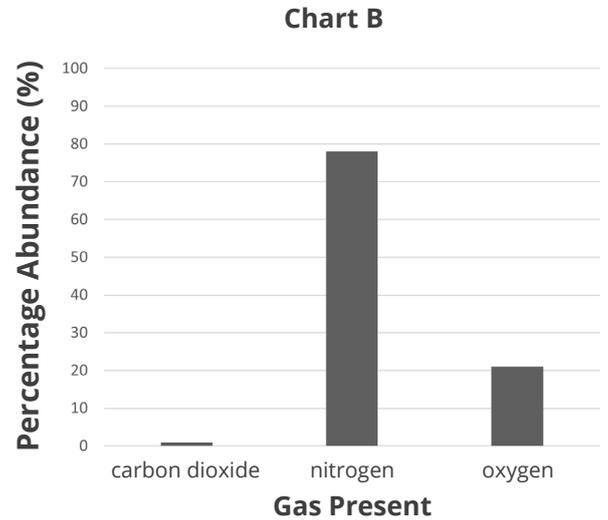
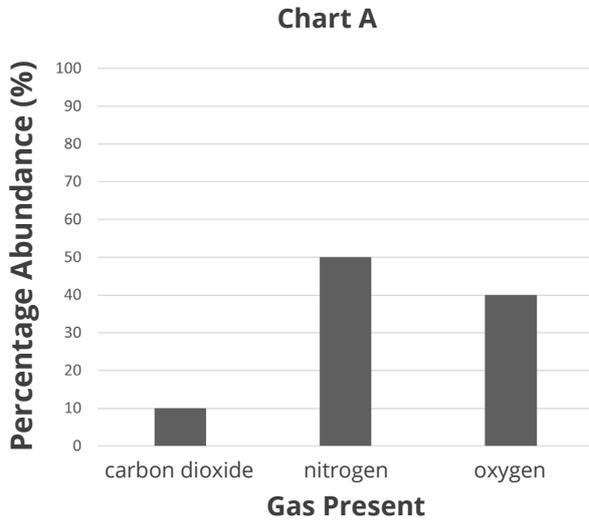
Multiple Choice Questions

Set 4

You may use a periodic table to help you answer these questions.

Tick **one** box.

1. Which chart shows the approximate composition of the present-day atmosphere?



- A. A
- B. B
- C. C
- D. D

2. Which gas was the most abundant in the early atmosphere of the Earth?

- A. carbon dioxide
- B. hydrogen
- C. nitrogen
- D. oxygen



3. What first produced the oxygen found in the present-day atmosphere of the Earth?
- A. algae and plants
 - B. animals
 - C. bacteria
 - D. volcanoes
4. Which of the following reduces the amount of carbon dioxide in the atmosphere?
- A. formation of fossil fuels
 - B. formation of sedimentary rock
 - C. photosynthesis
 - D. all the above
5. Water vapour, carbon dioxide and methane are examples of what?
- A. fossil fuels
 - B. greenhouse gases
 - C. hydrocarbons
 - D. toxins
6. Deforestation is linked to an increase in the atmospheric levels of which gas?
- A. carbon dioxide
 - B. methane
 - C. nitrogen
 - D. oxygen
7. Which statement is **not** true?
- A. climate change can affect the migration and hibernation of wildlife
 - B. climate change can affect the amount of food that it is possible to produce for people
 - C. climate change can lead to the loss of habitats
 - D. climate change only affects wildlife, not people



8. Which statement is **not** true?
- A. carbon capture can be used to reduce the carbon footprint of some industries
 - B. individuals, companies, industries and whole countries can all reduce their carbon footprint
 - C. most scientists and governments agree on how carbon footprints can be reduced
 - D. reducing carbon footprints can be an expensive and time-consuming process
9. Propanol, C_3H_7OH , is a fuel. What are the products of the complete combustion of propanol?
- A. carbon dioxide
 - B. carbon dioxide and water
 - C. carbon monoxide and water
 - D. carbon particulates
10. What problem is associated with oxides of nitrogen?
- A. acid rain
 - B. deforestation
 - C. global dimming
 - D. global warming