



Chemistry of the Atmosphere

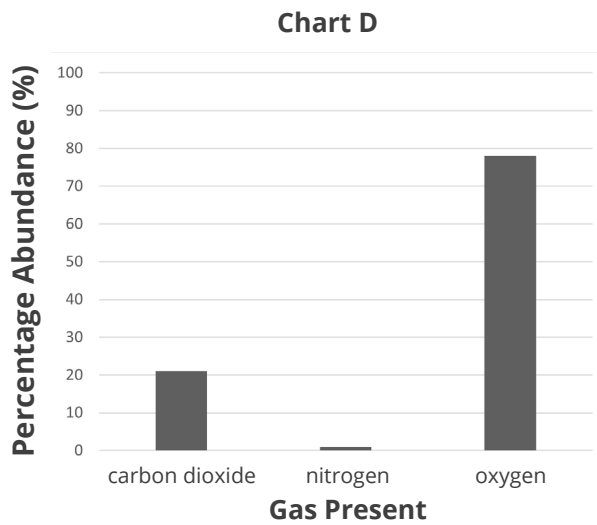
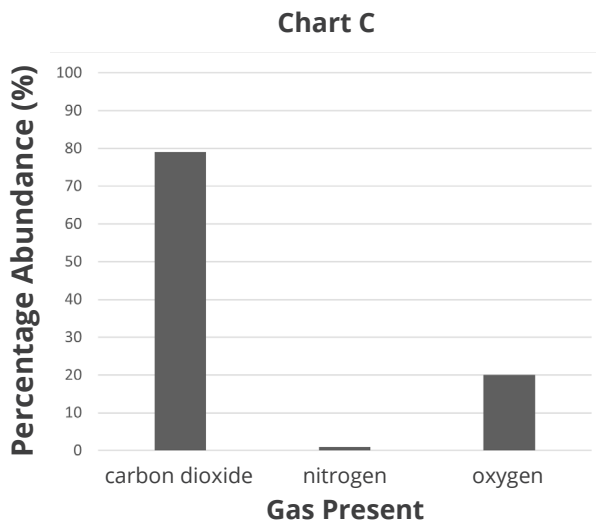
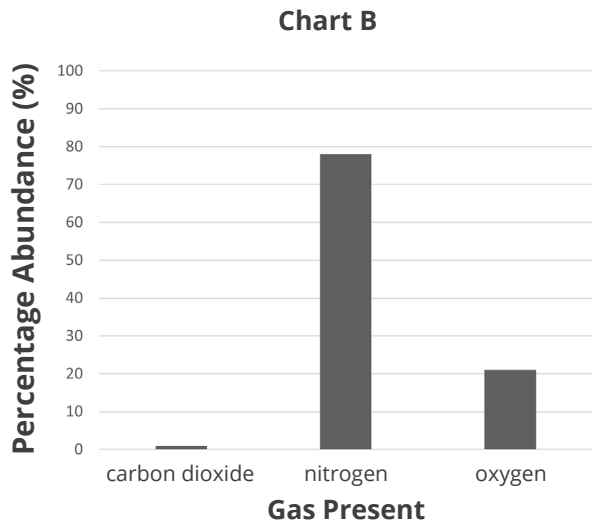
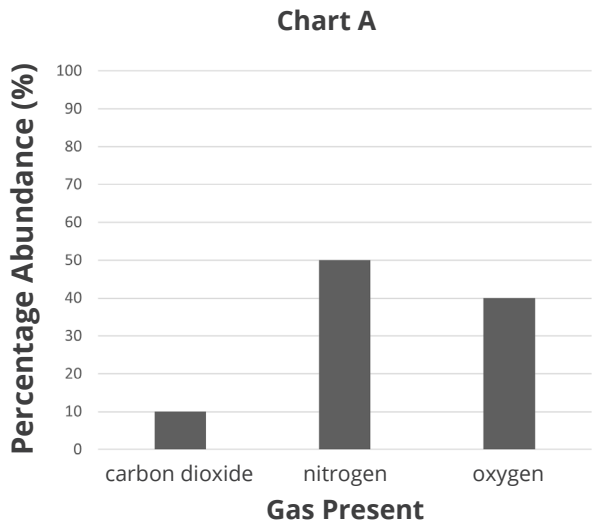
Multiple Choice Questions

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, $\text{C}_3\text{H}_7\text{OH}$, 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 ☐