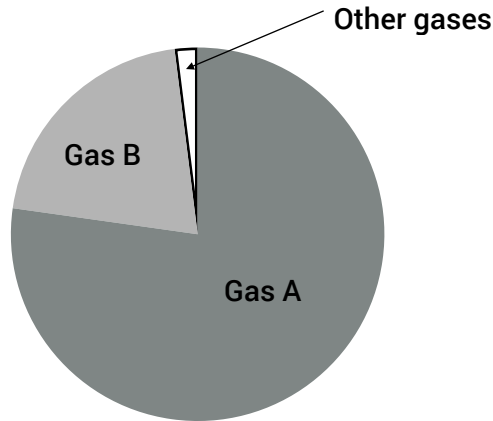


0 1

The Earth's atmosphere contains a mixture of gases.

DON'T FORGET :
Students very often forget that the majority of the air is made of nitrogen, followed by oxygen. Examiners say this often.



0 1 . 1

Name Gas A and Gas B

[2 marks]

Gas A **Nitrogen [1]**

Gas B **Oxygen [1]**

Carbon dioxide is one of the 'Other gases' in the pie chart.

0 1 . 2

Name two more gases that make up 'Other gases'.

[2 marks]

Any two from: argon, neon, water vapour.

Billions of years ago, the levels of the gases in the atmosphere were very different.

0 1 . 3

Describe the processes which have brought about the changes in the proportions of the gases in the air over billions of years.

[4 marks]

-**Any 4 from:**.....
- **Plants/algae evolved and carried out photosynthesis to take in CO₂ give out O₂. [1]**
 - **Water vapour in atmosphere condensed (due to cooling). [1]**
 - **Less CO₂ is produced from volcanoes. [1]**
 - **CO₂ from air trapped or locked in sedimentary rocks or fossil fuels. [1]**
 - **CO₂ from air dissolved in oceans. [1]**
 - **Nitrogen produced by bacteria/microbes/decay of dead organisms. [1]**
 - **Nitrogen builds up because it is unreactive. [1]**

(Total 8 marks)

End