

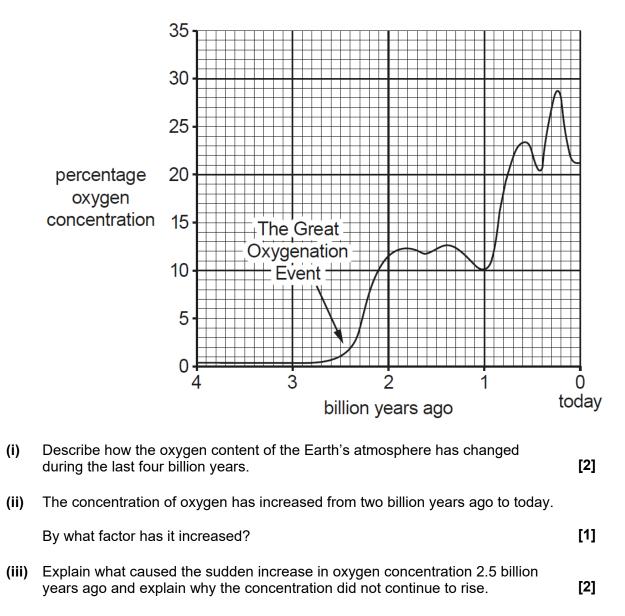
## GCSE Chemistry B (Twenty First Century Science)

J258/03 Breadth in chemistry (Higher Tier)

**Question Set 4** 

The percentage of oxygen gas in the Earth's atmosphere has generally increased over time.

This graph shows the percentage oxygen concentration in the Earth's atmosphere over the last 4 billion years.



(b) Iron pyrites in rocks was oxidised to compounds like iron(III) sulfate by the oxygen in the early atmosphere.

Complete the **balanced chemical** equation for this reaction.

.....  $FeS_2$  + .....  $O_2 \rightarrow Fe_2(SO_4)_3 + SO_2$ 

[1]

## **Total Marks for Question Set 4 : 6**

1

(a)



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