

Plants and Photosynthesis

Lesson 9- Plants and The Atmosphere

Biology - Key Stage 3

Miss White



Changes to the Earth's Atmosphere

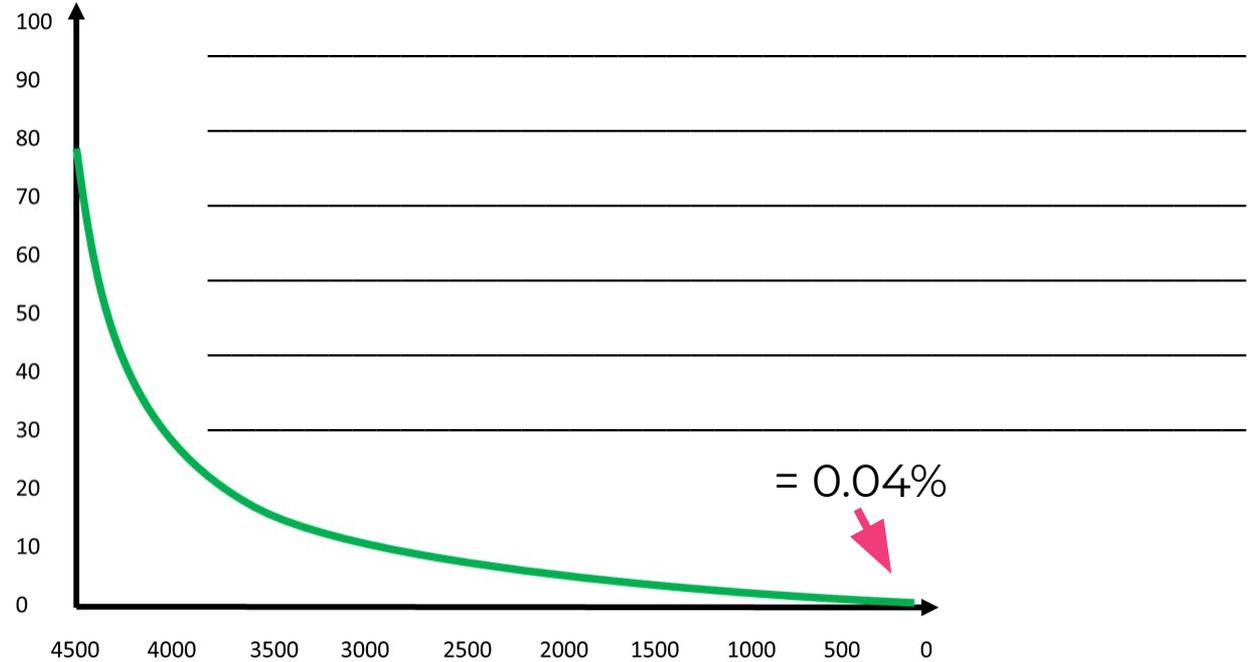
Gas	Levels in Earth's early atmosphere	Percentage in the air today
Carbon dioxide	Very High	Less than 1

Write a sentence to compare the levels of carbon dioxide in the atmosphere today with the Earth's early atmosphere



Describe the patterns in the graph

Percentage
(%) of CO₂ in
the
atmosphere



Source: Miss White

Time in millions of years ago



Circle the correct option

Photosynthesis makes carbon dioxide levels...

Increase

Decrease



Circle the correct option

Deforestation makes carbon dioxide levels...

Increase

Decrease



Circle the correct option

Burning fossil fuels makes
carbon dioxide levels...

Increase

Decrease



Circle the correct option

Burning chopped wood makes
carbon dioxide levels...

Increase

Decrease



Circle the correct option

Respiration makes carbon dioxide levels...

Increase

Decrease



Preparation Task

The evolution of plants has caused a _____ in the concentration of carbon dioxide and an _____ in the concentration of oxygen.

Deforestation has led to an _____ in carbon dioxide levels and a _____ in oxygen levels.

Burning trees decreases the _____ and leads to an increase in _____ levels.



Independent Task

Describe and explain the impact on the atmosphere of the following:

- 1.The burning of fossil fuels
- 2.The effect of the evolution of plants on Earth
- 3.Deforestation
- 4.Burning of trees that have been cut down

Example: The burning of fossil fuels has **increased the levels of carbon dioxide** because **carbon dioxide is released as product of combustion.**

Describe:
Say what is happening

Explain:
Say why



Writing Space

