

(The role of volcanoes, oceans, photosynthesis)

Q1.(2021)

Photosynthesis also decreased the percentage of carbon dioxide in the Earth's early atmosphere.

Photosynthesis increased the percentage of another gas.

Complete the word equation for photosynthesis.

[2 marks]

_____ + water → glucose + _____

Q2.(2022)

Algae and plants increased the percentage of oxygen in the Earth's atmosphere.

The same process in algae and plants decreased the percentage of carbon dioxide in the Earth's atmosphere.

Which process in algae and plants increased the percentage of oxygen in the Earth's atmosphere?

[1 mark]

Tick (✓) **one** box.

Fermentation

☐

Photosynthesis

☐

Rusting

☐

Sedimentation

☐

Q3.(2022)

Which **two** other processes decreased the percentage of carbon dioxide in the Earth's atmosphere?

[2 marks]

Tick (✓) **two** boxes.

Burning fossil fuels

☐

Dissolving carbon dioxide in oceans

☐

Eruption of volcanoes

☐

Evolution of animals

☐

Formation of sedimentary rocks

☐

Q4.(2023)

Which **two** of the following increased the percentage of oxygen in the Earth's atmosphere?

[2 marks]

Tick (✓) **two** boxes.

Active volcanoes emitted gases

☐

Algae and plants evolved

☐

Animals evolved

☐

Carbonate sediments formed in oceans

☐

Photosynthesis took place

☐

Q5.(2024)

The photosynthesis reaction takes in energy from the surroundings.

Complete the sentence.

Choose the answer from the box.

[1 mark]

carbon dioxide

light

water

The source of the energy used in photosynthesis is _____.

Q6.(2024)

Which **two** produce oxygen by photosynthesis?

[2 marks]

Tick (✓) **two** boxes.

Algae

☐

Animals

☐

Plants

☐

Viruses

☐

Yeast

☐