

## **GCSE Chemistry B (Twenty First Century Science)**

**J258/03** Breadth in chemistry (Higher Tier)

### **Question Set 28**

Fig. 1.1 shows how the average world temperature has changed since 1880.

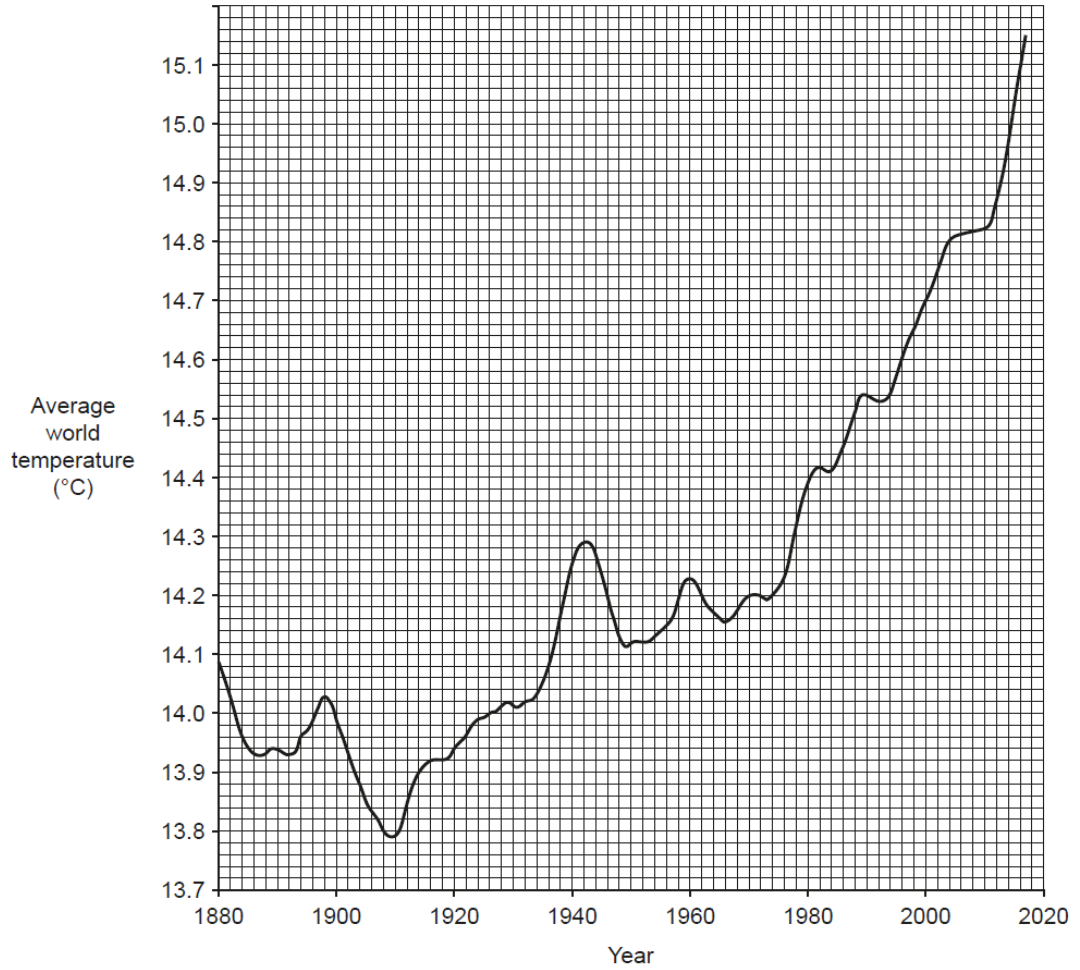


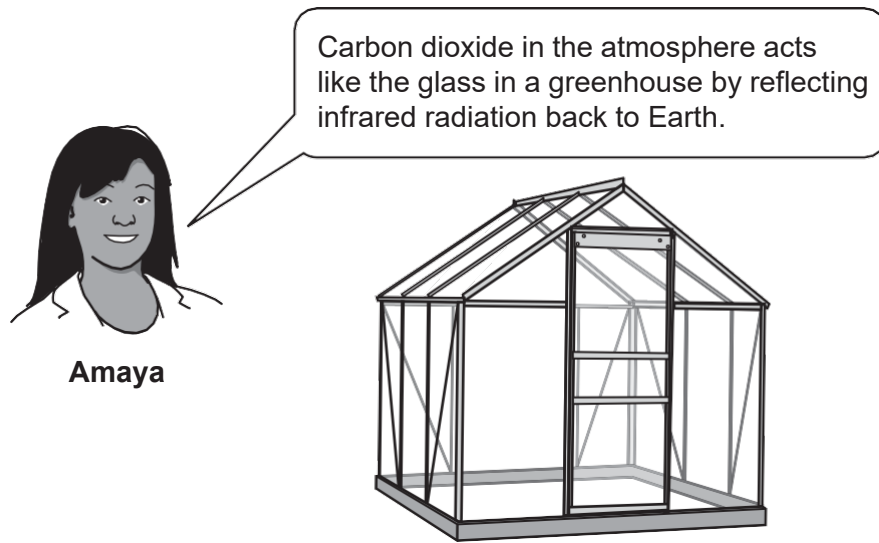
Fig 1.1

- (a) (i) Using Fig. 1.1, describe how the average world temperature changed from 1910–1930. [1]
- (ii) Between which **two** years was there the largest **continuous** temperature rise?  
 Between ..... and ..... [1]

- (b) (i) Some scientists believe that average world temperatures have increased due to increased amounts of greenhouse gases in the air.

Carbon dioxide is a greenhouse gas.

Amaya says,



Explain what is **incorrect** about Amaya's statement.

[2]

- (ii) State **one** suitable way in which we can lower our carbon dioxide emissions.

[1]

- (c) State **one** effect of increasing average world temperatures on the Earth's climate.

[1]

**Total Marks for Question Set 28: 6**

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