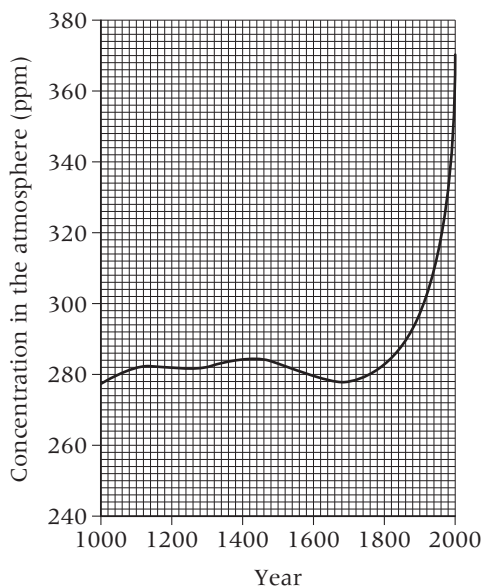
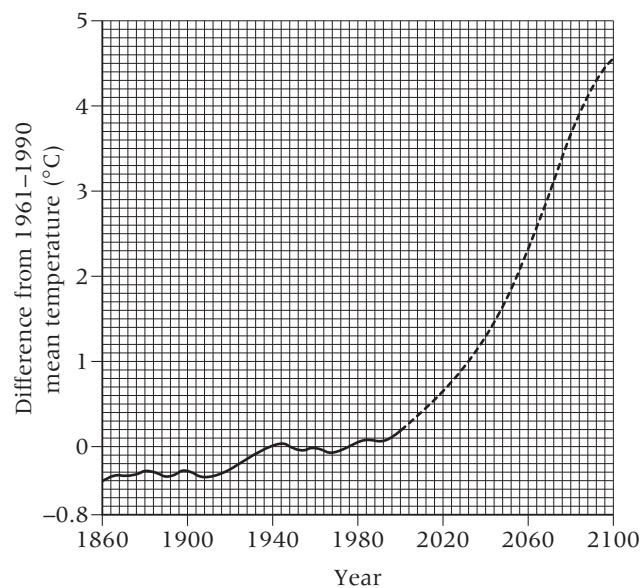


- ?**
- 1 What do most scientists think is causing the rise in mean global temperatures?
 - 2 What is meant by the greenhouse effect?
 - 3 What are the main causes of rising levels of carbon dioxide in the atmosphere?
 - 4 Look at the graphs below. Graph 1 shows the changes in carbon dioxide levels over the last 1000 years. Graph 2 shows the mean temperature of each year compared to the mean temperature for the years 1961–1990 (this is set at 0 on the graph).



Graph 1: How carbon dioxide levels have changed in the last 1000 years



Graph 2: Changes in mean world temperatures from 1860 until 2100.

- i** In what year did carbon dioxide levels start to rise?
- ii** In what year did mean temperatures start to rise?
- b** Describe the current trend in carbon dioxide levels.
- c** What has been the general trend in mean world temperatures over the last 100 years?
- d** What does the graph predict will happen to mean temperatures over the next 100 years?
- e** Using the graphs, describe any link between the mean world temperatures and the carbon dioxide levels.
- f** Do you think these graphs provide good evidence that rising temperatures are caused by rising levels of carbon dioxide?
- g** Briefly explain your answer to **f**.

S knowledge, considering