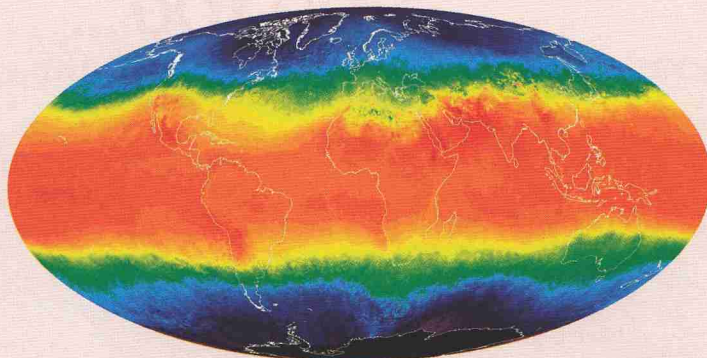


Practice 6

- 1 Complete the text using a suitable modal form of the verb in brackets in each space.



We (1) *might suppose* (suppose) that experts in climate analysis (2) (know) what is happening to the climate, but there is a certain amount of disagreement among them. In order to make scientific predictions, scientists (3) (use) mathematical models called 'climate models'. These use mathematical techniques to simulate the way that the atmosphere, the oceans, the surface of the earth and the ice caps interact with one another. They (4) (use) to make projections of climate change, in particular to predict what the temperature (5) (be) in the future. Such models (6) (be) quite simple or more complex, and so the results probably (7) (agree) exactly. There are so many different kinds of model, that we (8) (be) sure that any one prediction is the most accurate. Different approaches (9) (produce) different results. In every case (10) (take) into account the differences in aim, and use of data, in each model. However, with an issue so important as climate change, it is vital that there (11) (be) an accurate figure available. In 2003, Climateprediction.net (CPDN) started a project running hundreds of thousands of different models. In order to do this, they (12) (link) thousands of personal computers worldwide. The 2005 results suggest that the highest temperature change (13) (be) as much as 11°C, though some experts have said that this figure (14) (be) inaccurate. So it seems that we (15) (wait) for the final word on climate change. Projections are perhaps just too complex to be totally reliable.

2 Study the leaflet and make recommendations to encourage people to reduce carbon emissions. Use a modal form of the verbs, and make any other necessary changes. More than one answer is possible in each sentence.

Dealing with Global Warming

Improve ... Promote ... Provide ... Introduce ... Discourage ... Ban ...

DO YOU ...

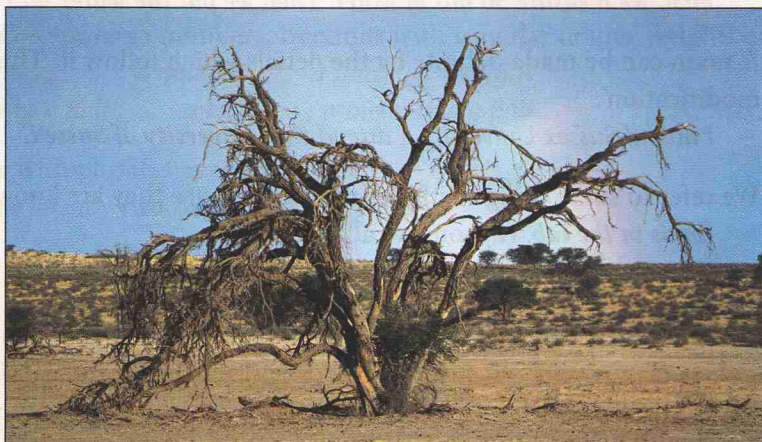
- ... cycle to work, or are the roads too dangerous?
- ... use public transport, or is it too expensive?
- ... own a powerful 4x4 vehicle?
- ... work from home?
- ... have free car parking at work?
- ... use disposable batteries?
- ... receive environmental education in schools?
- ... buy water in plastic bottles?
- ... have enough information about the energy efficiency of household products?
- ... own an electric or non-polluting vehicle?
- ... take your children to school by car?
- ... think that companies that have cut carbon emissions get any recognition?

- 1 The government should improve roads to encourage bicycle use.
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

3 The phrases in brackets use expressions used to make predictions. Match each one with an expression (a–l).

- | | |
|--------------------------|-------------------------------|
| a could happen | g there could be |
| b it could well be | h will almost certainly |
| c might have to | i could well be a consequence |
| d what might be involved | j might happen to |
| e are bound to | k they could well suffer from |
| f may well take place | l will probably |

Social implications of climate change



If the climate does get much warmer, what (1)^a (are the possible consequences)? While scientists generally restrict their predictions to physical details, and outline what changes of climate (2) (are expected to occur) over the next century, other experts have begun to look further at (3) (the implications) for human society in general. Rising temperatures (4) (are sure to) affect the environment, and other effects (5) (are very likely to) follow, especially since the poorest countries (6) (are in line to) suffer most. So what exactly (7) (lies in store for) the people of the future? First, (8) (there is the chance of) poor health, as disease-carrying insects spread into previously immune areas, and fresh food becomes more expensive, or hard to find. Secondly, (9) (there is every likelihood) that the impact of increased temperatures on water supplies and agriculture will lead to drought and famine. More people (10) (will probably be forced to) migrate to escape worsening poverty. Military conflict (11) (is predicted as a result), which would see countries fighting over water rights or to protect their territory. In general, (12) (there is the prospect of) social unrest and increased competition for resources.