

# Future climates – activity page

Take part in the biggest experiment ever!

Help to model the climate of the 21st century. Further details at  
<http://climateprediction.net/index.php>  
(accessed September 2005)

Design a leaflet to advertise the experiment. On it you must explain what a computer model is and why they are used.

Each year the number of cars on the roads in Britain increases and therefore so does the total amount of CO<sub>2</sub> cars produce. Do you think we should try not to use our cars so much? Design a questionnaire to find out what people in your school think, how people travel to school and if they are willing to change. What should future transport be like? You could write a letter to your local MP telling him or her the results of your project.

Find out what scientists think will happen in the future. Start your search at [www.gcrio.org/ipcc/qa/06.html](http://www.gcrio.org/ipcc/qa/06.html) (accessed September 2005) or [www.metu.gov.uk/research/hadleycentre/index.html](http://www.metu.gov.uk/research/hadleycentre/index.html) (accessed September 2005).

Write a report of what you find, include graphs or relevant quotations.

Trees use carbon dioxide from the air. People burn the forests so they can use the land for agriculture. The fire produces carbon dioxide, and there are then fewer trees to use it up.

Do you think this should be allowed? Find out if woods have vanished from your area. Start by comparing old ordnance survey maps with up to date ones. You could visit the local library.

Is carbon dioxide the only greenhouse gas offender or is the amount of other greenhouse gases in the atmosphere increasing?

Work through the **Other greenhouse gases** sheet to answer the question.