

# **The Kyoto agreement**

*9e Energy Changes 7.3a*

**The Kyoto agreement was signed in 1997 by the countries of the UN to try to control carbon emissions.**

**Find out:**

- what it says countries need to do**
- what problems it has had**
- whether you think it will work**
- what we can do every day to reduce the problems of global warming**

# **What is the greenhouse effect?**

*9e Energy Changes 7.3b*

**Your task is to explain to the rest of the class how the greenhouse effect comes about and how it is affected by what we do to the environment.**

**The greenhouse effect is an important natural phenomenon and without it, the Earth would be very cold indeed. The problem is when it gets too much. This is what might be happening with global warming. Your presentation should mention this.**

# **Global warming is happening!**

*9e Energy Changes 7.3c*

**Environmental groups and some scientists believe the greenhouse effect is getting out of control and man-made global warming is happening.**

**Your presentation has to include the evidence for global warming and why it has been happening. Include important dates in the history of global warming and use any arguments from the website or links from it.**

## **Global warming isn't a problem!**

*9e Energy Changes 7.3d*

**Some scientists believe that we cannot predict what is going to happen to the Earth's climate and that global warming might be a natural part of the cycle of the planet.**

**Your presentation will give the counter arguments to environmentalists who claim that global warming is a major problem facing the Earth. What do climate sceptics say and how might you explain that global climate changes are not due to the greenhouse effect?**

## **The global impact**

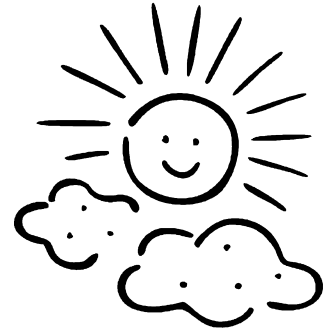
*9e Energy Changes 7.3e*

**Your presentation will tell the class about the problems that we may face if global warming happens over the next hundred years or so. What might happen to habitats, the weather, water supplies etc.**

# Thinking about the Greenhouse Effect

## Intro:

- This piece of work will be over two lessons
- The first lesson in the computer room is for you to plan a presentation
- The second lesson will involve your group presenting your findings to the rest of the class



## What to do:

- Work in a group of three
- The BBC link given below should be your starting point
- Use its information, animations, news articles and viewpoints to make your presentation
- You can include overheads, facts, figures, handouts etc.
- You need to present the information or point of view that your teacher that given you

## Website:

<http://www.bbc.co.uk/science/hottopics/climatechange/index.shtml>

This website contains all the information and links you will need to compile your presentation.

To make full use of it, read it carefully and look at the links provided if you think they will be relevant to what you are studying.

There are links to news articles, video clips and other websites.

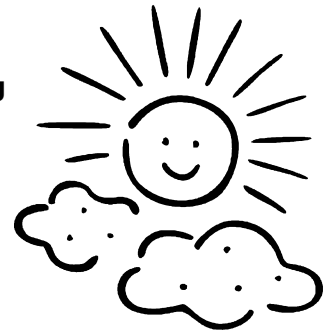
There are three pages of information so make sure you have a look at it all so as not to miss anything.

Your final presentation should be around five minutes long and needs to be ready for the next lesson.

To find out about the *climateprediction.net* project, look at [www.climateprediction.net](http://www.climateprediction.net)

# Thinking about the Greenhouse Effect

- **This piece of work will be over two lessons**
- **The first lesson in the computer room is for you to plan a poster using the help sheet below.**
- **The second lesson will involve producing the poster that MUST tell people:**



- What the greenhouse effect is and why it happens
- How humans are changing the greenhouse effect
- What might happen on Earth in the future if nothing is done
- How we can make the problem less

Use the boxes on this sheet to help you plan your poster. Go to the websites given below to help you get information and pictures.

<http://www.bbc.co.uk/science/hottopics/climatechange/index.shtml>

<http://www.defra.gov.uk/environment/climatechange/schools/7-11/index.htm>

The greenhouse effect is ...

Humans are changing the greenhouse effect by...

If we keep burning ever more fossil fuels, these things might happen on Earth...

However, we can try to stop these from happening by...