

Climate Chaos

Day 1 Morning session: Gathering information about climate change

Activity 4: What is causing climate change?

Time required: 30 minutes

You will need

- An interactive whiteboard, computer and internet access
- Enough copies of the **worksheet 'What is the Greenhouse effect?'** for each pupil, or one between two (see below)
- The two partially completed sheets of flipchart paper from the previous activity
- An additional sheet of flipchart paper

Aim

To explore how the greenhouse effect works.

What to do

Play the [Science Museum's animation 'Greenhouse Effect'](http://www.sciencemuseum.org.uk/on-line/energy/site/EI2Infoqr9.asp) at to the whole class.

<http://www.sciencemuseum.org.uk/on-line/energy/site/EI2Infoqr9.asp>

Hand out the worksheet. Ask pupils to sequence the pictures.

After they have completed their worksheets, play the animation again so that they can check their worksheets. Ask them if they have any questions about the greenhouse effect and make sure they understand the process.

Go back to the flipchart sheets from the previous activity:

- Do they want to add anything about what they know?
- Has the film answered any of their questions?
- Has it raised more questions they want to add?

Add anything they say to the appropriate flipchart.

Source: The 'What is the Greenhouse Effect?' worksheet, written by Prue Poulton and designed by Fiona O'Sullivan, is reproduced with permission from Ecoactive www.ecoactive.org.uk

What is the Greenhouse Effect?

Cut out these pictures and arrange them in the right order to show how using electricity to boil a kettle adds to the Greenhouse Effect or global warming.

Write your own explanation of how global warming is caused.

