

# Glossary

## Section One

---

**Climate** = The normal weather conditions an area experiences over a period of time, e.g. the UK's climate is warm and wet.

**Weather** = The day-to-day conditions in an area, e.g. today's weather is sunny, yesterday's weather was cloudy

**Climate Change** = When the 'normal' weather in area becomes different, e.g. it becomes hotter or colder

**Global Warming** = The Earth's average temperature is getting hotter.

**Greenhouse Effect** = The Sun's heat is trapped in the atmosphere which causes global warming.

**Greenhouse Gases** = These cause the Greenhouse Effect by trapping the Sun's heat.

**Natural causes of climate change** = Some natural events can cause climate change, e.g. a big eruption of a volcano will release lots of dust which might block out the sun and make the Earth colder.

**Human causes of climate change** = Humans create greenhouse gases by driving cars, flying aeroplanes and burning fuel in power stations to make electricity. This is causing global warming.

## Section Two

---

**Drought** = When less rain falls than normal in an area, meaning that there isn't as much water available.

**Flood** = When there is too much water in an area. This can be caused by lots of rain, or by the sea coming onto land.

**Sea Level Rise** = When there is more water in the oceans, so the height of the sea increases.

**Evaporation** = Warm water turns into water vapour (a gas) which then forms clouds. This is part of the water cycle.

**Famine** = When there isn't enough food for everyone to eat, and people and animals die of hunger.

**Extinct** = When the last of a species of animal or plant has died, and so it doesn't exist any more.

**Surge Tide** = A combination of a high tide, strong winds and bad weather which causes coastal floods. In the UK this especially happens in East Anglia, Kent and London.

**Refugee** = A person who has been forced to leave their country or area because of an event, who then go to live in another country or area.

**Rationed** = When the amount of something you are allowed to have is controlled, e.g. food was rationed in World War Two because there wasn't enough for everyone to have what they wanted.

### Section Three

---

**Energy Efficiency** = Using less energy to power an appliance, or maybe a whole house, e.g. energy efficient light bulbs use  $\frac{1}{5}$  of the energy of a normal lightbulb but still do the same job.

**Sustainable** = Making sure that there is going to be enough of something for people in the future to use, e.g. sustainable forests plant a new tree whenever one is cut down.

**Green Buildings** = Buildings which are designed to use as little energy as possible, and help the environment.

**Photovoltaic cell** = These can make electricity from the Sun, which can then be used or stored in batteries.

**Insulation** = This is put into the walls and ceilings of buildings to keep them warm in the winter and cool in the summer.

**Recycling** = When something old gets turned into something new instead of being thrown away, e.g. old paper can be recycled and used again as new paper.

**Carbon Footprint** = A way of measuring how much greenhouse gas each person creates in a year through travelling and using energy.

# Additional Information

## Contact Details

---

### **EDF Energy**

**website:** [www.edfenergy.com](http://www.edfenergy.com)

**email:** [info@edfenergy.com](mailto:info@edfenergy.com)

### **Hammersmith Community Gardens Association**

**website:** [www.hcga.org.uk](http://www.hcga.org.uk)

**email:** [info@hcga.org.uk](mailto:info@hcga.org.uk)

### **Hammersmith and Fulham Council**

**website:** [www.lbhf.gov.uk](http://www.lbhf.gov.uk)

**email:** [nicholas.botterill@lbhf.gov.uk](mailto:nicholas.botterill@lbhf.gov.uk)

### **Hammersmith and Fulham Friends of the Earth**

**website:** [www.hffoe.org.uk](http://www.hffoe.org.uk)

### **Hammersmith and Fulham Local Agenda 21 Group**

**website:** [www.lbhf.gov.uk/external/la21/articles/local.htm](http://www.lbhf.gov.uk/external/la21/articles/local.htm)

**email:** [mail@haf21.org.uk](mailto:mail@haf21.org.uk)

### **Renewable Energy Systems at Beaufort Court**

**website:** [www.beaufortcourt.com](http://www.beaufortcourt.com)

**email:** [info@res-ltd.com](mailto:info@res-ltd.com)

**telephone:** 01923 299 200

### **Studio E Architects**

**website:** [www.studioe.co.uk](http://www.studioe.co.uk)

### **Thames Barrier Information and Learning Centre**

**website:** [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)

**email:** [learningcentre@environment-agency.gov.uk](mailto:learningcentre@environment-agency.gov.uk)

**telephone:** 020 8305 4188

# Useful Websites

The following websites provide further information on the topics covered by the resource:

**BBC Weather Climate Change**

[www.bbc.co.uk/climate/](http://www.bbc.co.uk/climate/)

**Met Office Hadley Centre for Climate Research**

[www.metoffice.gov.uk/research/hadleycentre/index.html](http://www.metoffice.gov.uk/research/hadleycentre/index.html)

**DEFRA Climate Challenge**

[www.climatechallenge.gov.uk](http://www.climatechallenge.gov.uk)

**Climate Change for kids**

[http://tiki.oneworld.net/global\\_warming/climate\\_home.html](http://tiki.oneworld.net/global_warming/climate_home.html)

**Stop Climate Chaos**

<http://www.icount.org.uk/climate%5Fchaos/>

**Wikipedia – contains a number of articles**

[www.en.wikipedia.org](http://www.en.wikipedia.org)

**US Environment Protection Agency**

<http://epa.gov/climatechange/kids>

**BBC News Archive – good for examples**

[www.bbc.co.uk/news](http://www.bbc.co.uk/news)

**Sustainable Schools**

[www.teachernet.gov.uk/sustainableschools](http://www.teachernet.gov.uk/sustainableschools)

**Eco-schools Awards**

[www.eco-schools.org.uk](http://www.eco-schools.org.uk)

# Selected Bibliography

Department for the Environment, Food and Rural Affairs, *UK Climate Change Programme: Annual Report to Parliament*, July 2007.

[en.wikipedia.org](http://en.wikipedia.org)

IPCC, 2007: Summary for Policymakers. In: *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*.

Teachers in Development Education, *Lessons in Sustainability*, 2003

The Royal Society, *A guide to facts and fictions about climate change*, March 2005

Thames Barrier Information and Learning Centre, *The Thames Barrier Project Pack*, 2007

[www.bbc.co.uk/climate](http://www.bbc.co.uk/climate)

[www.bbc.co.uk/news](http://www.bbc.co.uk/news)

[www.climatechallenge.gov.uk](http://www.climatechallenge.gov.uk)

[www.metoffice.gov.uk](http://www.metoffice.gov.uk)

