GCSE Geography B (9035)

Unit 2: Hostile world and investigating the shrinking world

Section A - Hostile world

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<th>Textbooks</th>
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<td><strong>Author</strong></td>
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<td>Phil Lamb, David Payne, John Rutter</td>
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<td>John Widdowson, John Smith, Roger Knill</td>
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Living with natural hazards

**The damaging effects of earthquakes and volcanic eruptions**

The US Geological Survey website locates and describes recent events
http://earthquake.usgs.gov

Youtube, newspaper websites and BBC websites describe the effects of earthquakes and volcanic eruptions well.

Comparisons of the effects can be effective – Chile and Haiti: A Tale of Two Earthquakes
http://www.time.com/time/world/article/0,8599,1968576,00.html#ixzz1v8xYywuu

Other useful websites for volcanic eruptions:
http://library.thinkquest.org/17457/volcanoes/effects.php
http://geology.com/volcanoes/
http://www.extremescience.com/iceland-volcano.htm
http://www.geography.org.uk/resources/volcano/
http://www.geography.org.uk/resources/earthquakes/

AQA Geography B textbook - Chapter 3.1, Tungurahua volcano 2006, Yogyakarta earthquake 2006
### The causes of earthquakes and volcanic eruptions

Google Earth is useful to map the plate boundaries/distribution of earthquakes and volcanic eruptions.


Another useful website to find examples of actual plate boundaries:

- [http://www.extremescience.com/plate-tectonics.htm](http://www.extremescience.com/plate-tectonics.htm)

### Why people live in areas at risk from earthquakes and volcanic eruptions

Case studies can be a useful vehicle through which to illustrate advantages, eg ‘volcano tourism’ around Mt St Helens or Yellowstone, fertile soils and agriculture in Hawaii or geothermal energy in Iceland or California.

- [http://www.nps.gov/yell/index.htm](http://www.nps.gov/yell/index.htm)
- [http://www.olywa.net/valerie/StHelens.html](http://www.olywa.net/valerie/StHelens.html)

### Reducing the damaging effects of earthquakes and volcanic eruptions

There are lots of examples, from both developed and less developed regions of the world, which can be used to illustrate actual schemes used to reduce the damaging effects of earthquakes and volcanic eruptions. These include the ‘earthquake-proofing’ of buildings, ranging from the use of appropriate technology such as bamboo-framed buildings to hi-tech building design and retrofitting. There are examples of buildings designed to reduce the effects of ash fall etc and of evacuation from volcano danger zones eg Montserrat. There are websites dedicated to the monitoring of volcanic activity eg Montserrat Volcano Observatory and Alaska Volcano Observatory:

- [http://www.mvo.ms](http://www.mvo.ms)
- [http://www.avo.alaska.edu/activity/avoreport.php](http://www.avo.alaska.edu/activity/avoreport.php)

There are many websites advising on earthquake and volcanic eruption preparedness. ‘Mock-up’ posters for training days, house preparation, disaster plans and kits can also be useful here.

Earthquake and volcano hazard maps are also widely available on the internet.


Other useful websites:

- [www.cdli.ca/CITE/earthquakes_preparedness.htm](http://www.cdli.ca/CITE/earthquakes_preparedness.htm)
- [http://www.volcano.si.edu/world/tpgallery.cfm?category=Volcano%20Monitoring](http://www.volcano.si.edu/world/tpgallery.cfm?category=Volcano%20Monitoring)
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### The damaging effects of tropical storms

- Hurricane Katrina and Cyclone Nargis are popular case studies of recent events and events from less developed and more developed countries:
- AQA Geography B textbook - Chapter 3.6 Hurricane Hanna 2008
- The National Hurricane Center has some excellent case study examples
  - [http://www.nhc.noaa.gov](http://www.nhc.noaa.gov)
  - [http://www.earthobservatory.nasa.gov](http://www.earthobservatory.nasa.gov)
  - YouTube newspaper websites and BBC News websites describe the effects of tropical storms well.
    - [http://news.bbc.co.uk/1/shared/spl/hi/americas/05/katrina/html/](http://news.bbc.co.uk/1/shared/spl/hi/americas/05/katrina/html/)
    - [http://www.metoffice.gov.uk/education/teens/case-studies/katrina](http://www.metoffice.gov.uk/education/teens/case-studies/katrina)

### The causes of tropical storms

- Google Earth has useful layers to map the distribution of tropical storms.
- The BBC has an excellent hurricane animation and an animation on the path of Hurricane Katrina.
  - [http://news.bbc.co.uk/1/hi/sci/tech/4588149.stm](http://news.bbc.co.uk/1/hi/sci/tech/4588149.stm)
  - [http://news.bbc.co.uk/1/shared/spl/hi/americas/05/katrina/html/](http://news.bbc.co.uk/1/shared/spl/hi/americas/05/katrina/html/)
- Another useful website
  - [http://earthsci.org/flooding/unit1/u1-05-01.html](http://earthsci.org/flooding/unit1/u1-05-01.html)

### Reducing the damaging effects of tropical storms

- There are lots of examples, from developed and less developed regions of the world, which can be used to illustrate actual schemes used to reduce the damaging effects of tropical storms. The National Hurricane Center has some excellent forecast maps and animations, along with hurricane paths. Many US websites include the ‘hurricane-proofing’ of buildings and hurricane preparation.
- Some NGO websites are useful for schemes such as simple cyclone shelters and education and awareness programmes eg Oxfam
- YouTube features many useful videos of the ‘tropical storm-proofing’ of buildings and preparedness schemes.
### Tropical storms could become more frequent and their distribution may change
The impact of climate change
http://www.gfdl.noaa.gov/~tk/glob_warm_hurr.html

### The effects of wildfires
AQA Geography B textbook - Chapter 3.10 California 2007
http://www.calfires.com

Another useful website

There are many useful websites with spectacular photographs of wildfires in California, Greece, Spain and Australia. The ‘Black Saturday’ Victoria wildfires of 2009 have lots of scope for a detailed case study.
http://www.abc.net.au/innovation/blacksaturday/#/stories/mosaic

YouTube, newspaper websites and BBC News websites describe the effects of wildfires well.

### The causes of wildfires
The effects of drought, heat waves, lightning strikes, dry winds such as the Santa Ana winds in California
http://meteora.ucsd.edu/cap/santa_ana.html

Climate data is available for all regions in which wildfires are common
Australia climate - http://www.bom.gov.au

Use newspaper websites to investigate the role of arson in causing wildfires and examples of wildfires caused accidentally.

### Reducing the damaging effects of wildfires
There are a multitude of examples which can be used to illustrate actual schemes used to try and reduce the damaging effects of wildfires. Many US states have dedicated information pages that raise awareness about how to prevent wildfires starting.
http://www.smokeybear.com

There are also sites that deal with wildfire preparedness and evacuation tips
www.fema.gov/hazard/wildfire/response.shtm

Use newspaper websites to investigate the role firefighters and other emergency services in responding to a wildfire.

AQA Geography B textbook - Chapter 3.12 Responses to Greek wildfires 2007.

YouTube, newspaper websites and BBC News websites describe the responses to wildfires well.
http://news.bbc.co.uk/1/hi/7055721.stm
### Wildfires could become more frequent and their distribution may change

The impact of climate change

The impact of the increase in population at the wildland-urban interface
- [http://www.californiaprogressreport.com/site/node/3540](http://www.californiaprogressreport.com/site/node/3540)

### The challenge of extreme environments

#### Where are the hot desert environments?
- [http://www.geographyhigh.connectfree.co.uk/s4wsdesstuds.html](http://www.geographyhigh.connectfree.co.uk/s4wsdesstuds.html)
- [http://www.blueplanetbiomes.org/world_biomes.htm](http://www.blueplanetbiomes.org/world_biomes.htm)

Google Earth has useful layers to map the distribution of hot deserts.

#### The nature of the hot desert environment and the reasons for its formation

- The BBC has excellent articles and videos relating to the nature of hot deserts
- [http://www.bbc.co.uk/nature/habitats/Deserts_and_xeric_shrublands](http://www.bbc.co.uk/nature/habitats/Deserts_and_xeric_shrublands)
- [http://www.bbc.co.uk/programmes/b0074shj](http://www.bbc.co.uk/programmes/b0074shj)
- [http://library.thinkquest.org/26634/desert/formation.htm](http://library.thinkquest.org/26634/desert/formation.htm)
- [http://www.geologyclass.org/deserts_concepts.htm](http://www.geologyclass.org/deserts_concepts.htm)
- [http://weathersavvy.com/Q-Climate_DesertsFormed.html](http://weathersavvy.com/Q-Climate_DesertsFormed.html)

#### Why are some areas at risk of becoming a hot desert environment?
- [http://desertificationb.tripod.com/id3.html](http://desertificationb.tripod.com/id3.html)
- [http://www.oasisglobal.net/what_cause.htm](http://www.oasisglobal.net/what_cause.htm)
- [http://science.howstuffworks.com/environmental/conservation/issues/desertification1.htm](http://science.howstuffworks.com/environmental/conservation/issues/desertification1.htm)

#### Managing the fringe of the hot desert

There are a multitude of examples which can be used to illustrate actual schemes used to try and reduce the damaging effects of desertification.
- [http://www.unccd.int/](http://www.unccd.int/)
http://www.bioenergylists.org/stovesdoc/Crispin/Mali%20Stove/MaliStove.html
https://www.msu.edu/~shield13/Pages/MaliDKN.html
http://desertification.tripod.com/id1.html

### Where are the tropical rainforest environments?
http://www.blueplanetbiomes.org/rainforest.htm
http://environment.nationalgeographic.com/environment/habitats/rainforest-map/
http://www.keepbanderabeautiful.org/rainforests.html

### The nature of the tropical rainforest environment and the reasons for its formation
http://www.enchantedlearning.com/subjects/rainforest/
http://www.enchantedlearning.com/subjects/rainforest/Strata.shtml
http://www.mbgnet.net/sets/rforest/plants/adapt.htm
http://www.scalloway.org.uk/clim9.htm
http://www.bbc.co.uk/schools/gcsebitesize/geography/ecosystems/tropical_rainforests_rev1.shtml

### The opportunities and challenges of development in the tropical rainforest environment
http://rainforests.mongabay.com
http://www.mongabay.com/brazil.html
http://ecological-problems.blogspot.co.uk/2010/01/amazon-rainforest-deforestation-main.html

### Managing the tropical rainforest environment
http://www.fsc.org
http://www.wwf.org.uk/heartofborneo/home.asp?pc=DBX003001
http://www.rainforestweb.org
http://www.rainforest-alliance.org
http://www.nat-fund.de/natetagu.htm
http://www.geographia.com/malaysia/taman.html
http://www.wwf.org.uk/what_we_do/safeguarding_the_natural_world/forests/forest_work/amazon/?pc=AGT004002
# Where are the cold environments?


# The nature of cold environments and the reasons for their formation

http://www.blueplanetbiomes.org/tundra.htm
http://www.discoveringantarctica.org.uk/2a_what.php

# The opportunities and challenges of development in cold environments

http://fairbanks-alaska.com/trans-alaska-pipeline.htm

# Managing cold environments

http://www.antarctica.ac.uk/about_antarctica/index.php
http://www.discoveringantarctica.org.uk
http://www.anwr.org
http://arctic.fws.gov/content.htm
http://www.antarctica.ac.uk/about_antarctica/geopolitical/treaty/

# General

Geographical Association http://www.geography.org.uk
Juicy Geography http://www.juicygeography.co.uk
Interactive Climate Map (climate graphs)
http://www.uwsp.edu/geO/faculty/ritter/interactive_climate_map/climate_map.html
SLN geography http://www.sln.org.uk/geography/
Global Eye http://www.globaleyce.org.uk
MapAction http://www.mapaction.org
Oxfam Education http://www.oxfam.org.uk/education/
Radical Geography http://www.radicalgeography.co.uk
GeoActive http://geoactive.wordpress.com
Geography in the News http://www.geographyinthenews.rgs.org
The Geography Site http://www.geography-site.co.uk
Section B – Investigating the shrinking world

### Textbooks

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<th>Author</th>
<th>Title</th>
<th>Publisher</th>
<th>ISBN</th>
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<tbody>
<tr>
<td>Phil Lamb, David Payne, John Rutter</td>
<td>AQA Geography B</td>
<td>Nelson Thornes</td>
<td>978 1408 5033 17</td>
</tr>
<tr>
<td>Arthur Robinson, Janet Helm, John D Smith</td>
<td>GCSE Geography for AQA Specification B</td>
<td>Heinemann</td>
<td>Snr Exr e-mailed publisher to ask.</td>
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<tr>
<td>David Payne, Sue Jennings</td>
<td>Issues and Environments</td>
<td>Heinemann</td>
<td>978 0435 3535 99</td>
</tr>
<tr>
<td>David Waugh and Tony Bushell</td>
<td>New Key Geography - Foundations</td>
<td>Nelson Thornes</td>
<td>978 0748 7970 11</td>
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<tr>
<td>David Waugh and Tony Bushell</td>
<td>New Key Geography - Connections</td>
<td>Nelson Thornes</td>
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<tr>
<td>David Waugh and Tony Bushell</td>
<td>New Key Geography - Interactions</td>
<td>Nelson Thornes</td>
<td>978 0748 7970 35</td>
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<tr>
<td>David Waugh and Tony Bushell</td>
<td>New Key Geography for GCSE 2nd Edition</td>
<td>Nelson Thornes</td>
<td>978 0748 7813 31</td>
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### Investigating the globalisation of industry

**Why has industry become increasingly global?**

- [http://www.fairtrade.org.uk/](http://www.fairtrade.org.uk/)
- [http://www.dubble.co.uk/fun_and_games/](http://www.dubble.co.uk/fun_and_games/)
- [www.nokia.com](http://www.nokia.com)
- [http://news.bbc.co.uk/1/hi/business/1923986.stm](http://news.bbc.co.uk/1/hi/business/1923986.stm)
- [http://news.bbc.co.uk/1/hi/business/6288247.stm](http://news.bbc.co.uk/1/hi/business/6288247.stm)

**What opportunities does the globalisation of industry create?**

### How does industrial growth create challenges?

- [http://www.guardian.co.uk/gall/0,,835373,00.html](http://www.guardian.co.uk/gall/0,,835373,00.html)
- [www.bat.com](http://www.bat.com)
- [www.gsk.com](http://www.gsk.com)
- [http://www.westlothian.gov.uk/tourism/attractions/history-culture/IndHerit](http://www.westlothian.gov.uk/tourism/attractions/history-culture/IndHerit)
- [http://news.bbc.co.uk/1/hi/business/6346299.stm](http://news.bbc.co.uk/1/hi/business/6346299.stm)
- [http://news.bbc.co.uk/1/hi/business/6645583.stm](http://news.bbc.co.uk/1/hi/business/6645583.stm)
- [http://www.juicygeography.co.uk/Unfair%20trade/index.htm](http://www.juicygeography.co.uk/Unfair%20trade/index.htm)
- [http://www.cardiff.gov.uk/content.asp?nav=2866&parent_directory_id=2865](http://www.cardiff.gov.uk/content.asp?nav=2866&parent_directory_id=2865)
- [http://www.experiencefestival.com/south_wales_valleys_-_decline](http://www.experiencefestival.com/south_wales_valleys_-_decline)

### Can industrial development be appropriate and sustainable?

- [www.basf.com](http://www.basf.com)
- [http://practicalaction.org/?id=home](http://practicalaction.org/?id=home)
- [http://www.excellentdevelopment.com](http://www.excellentdevelopment.com)
- [www.towerhamlets.gov.uk](http://www.towerhamlets.gov.uk)
### Investigating global tourism

#### Web links
- www.visitjamaica.com
- www.explore.co.uk
- www.exodus.co.uk
- www.guerba.co.uk
- www.gapadventures.com
- www.overlandafrica.com
- www.journeylatinamerica.co.uk

#### How has the global tourist industry grown?

#### What opportunities does the growth of the tourism industry create?
- www.visitbritain.com/us
- [http://www.propoortourism.org.uk](http://www.propoortourism.org.uk)

#### How does tourism create challenges and conflicts?
- [http://www.tourismconcern.org.uk](http://www.tourismconcern.org.uk)
- [http://www.magicalkenya.com](http://www.magicalkenya.com)
- [www2.btcv.org.uk](http://www2.btcv.org.uk)
- [http://www.fld.org.uk](http://www.fld.org.uk)
- [http://www.nationalparks.gov.uk](http://www.nationalparks.gov.uk)
- [http://www.nps.gov](http://www.nps.gov)
- [http://www.vietnamtourism.com](http://www.vietnamtourism.com)
- [http://www.zanzibartourism.net](http://www.zanzibartourism.net)

#### How can the tourist industry promote sustainable development?
- [http://www.chalalan.com](http://www.chalalan.com)
- [http://www.mona.uwi.edu/jct/interestgroups/scf/scf.htm](http://www.mona.uwi.edu/jct/interestgroups/scf/scf.htm)
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<td>Global Issues</td>
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<td>BBC Bitesize: Challenge of Development</td>
<td><a href="http://www.bbc.co.uk/schools/gcsebitesize/geography/development">www.bbc.co.uk/schools/gcsebitesize/geography/development</a></td>
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