

# Unit 1: Living with the physical environment

## Section A: The challenge of natural hazards

### Topic: Climate Change (4)

Unit content: RAG the following throughout, or at the end of the unit.	R	A	G
<b>Climate change is the result of natural and human factors, and has a range of effects.</b>			
Evidence for climate change from the beginning of the Quaternary period to the present day.			
Possible main <b>natural</b> causes of climate change:			
1. Solar output			
2. Orbital geometry			
3. Volcanic activity			
Other possible natural causes (changes in atmospheric gas, surface reflection, tectonic activity)			
Possible <b>human</b> causes of climate change:			
1. Use of fossil fuels			
2. Agriculture			
3. Deforestation			
Can you differentiate between natural and human causes of climate change?			
What is the greenhouse effect? (annotated diagram + description in writing)			
How are methane, carbon dioxide and nitrous oxide produced?			
What are the effects of climate change on <b>people</b> ?			
What are the effects of climate change on the <b>environment</b> ?			
<b>Managing climate change involves both mitigation (reducing causes)</b>			
Alternative energy production			
Carbon capture			
Planting trees			
International agreements e.g. Rio de Janeiro, Kyoto, Paris (carbon credit, carbon sink)			
<b>and adaptation (responding to change)</b>			
Change in agricultural systems			
Managing water supply			
Reducing risk from rising sea levels			
Unit skills	R	A	G
ICT skills (Word, PowerPoint, Research...)			
Map skills			
High quality literacy skills (can you write with sophisticated fluency?)			
Interpreting data and trends			
High quality evaluation skills (balanced arguments and your own opinions)			
Ability to think synoptically (using content from a range of topics and units)			
Other:	R	A	G
Understand the meaning of common command words like describe, explain, analyse			

Unit 1: Living with the physical environment

Section A: The challenge of natural hazards

**Topic: Climate Change (4)**

P.E.E.L Technique			
-------------------	--	--	--