

Learning Grids for GCSE AQA Geography

Paper 1: Section A

The Challenge of Natural Hazards

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Teacher's Introduction

These learning grids are a tool designed to help you deliver the GCSE AQA Geography specification (8035) for Paper 1, Section A: The Challenge of Natural Hazards. This resource covers all of the content outlined in the specification, presented in spec order. The concept is that your students are assigned a topic to learn about as part of your scheme of work (or by giving them a set of pages to read from a textbook), possibly for homework, and then asked to complete the learning grid which matches that section of the spec. These activities are particularly useful for your weaker students as they encourage students to *read* their notes or the textbook pages in order to find the required answers.

Each Learning Grid is cross-referenced to the ZigZag Education Teaching Pack (ZZTP) of the same topic so that you, and your students, know which lessons cover the content of each grid. They are also cross-referenced against two popular AQA-endorsed textbooks (HOD and OUP – see details below).

Completed grids are provided so that your students' answers can be self- or peer-marked or checked. The answers may also be useful to hand out to students during their revision to assist with any unanswered questions, or to ensure that students are revising from the correct answers.

Advantages of using these learning grids are:

- Some students will find this method of studying of great value, particularly if they find it difficult to absorb information in class they are perfect for consolidation.
- Resulting grids contain a bullet-point summary that may be useful for revision.
- They are an easy-to-set, yet valuable, homework.
- They are a useful catch-up tool to help students who have missed a lesson.
- They can be used as a basis for cover lessons as they require minimal preparation and minimal interaction from the cover teacher.
- They are an independent learning resource.

Textbook Abbreviations:

HOD refers to Widdowson et al. (2016). *AQA GCSE (9-1) Geography*. [Hodder] ISBN 978-1471859922. **OUP** refers to Ross et al. (2016). *GCSE Geography AQA Student Book*. [Oxford University Press] ISBN 978-0198366614.

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Many of our resources can be upgraded to **digital PDF** (add 30%+VAT) or **editable Word** versions (add 50%+VAT).

This can be particularly useful if, for example, you use a different textbook to those cross-referenced within, or if you would like to make these grids available for student download on your VLE.

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Selected Question and Answer Pages For demonstration only, the sample answer pages immediately follow their corresponding question pages			
For demonstration only, the sample answer pages immediately			
For demonstration only, the sample answer pages immediately			
	Selected Ques	tion and Ans	wer Pages

Learning Grid 1: Natural Hazards

ZZTP: Lesson 1 HOD: pp. 2–3

OUP: pp. 8-9

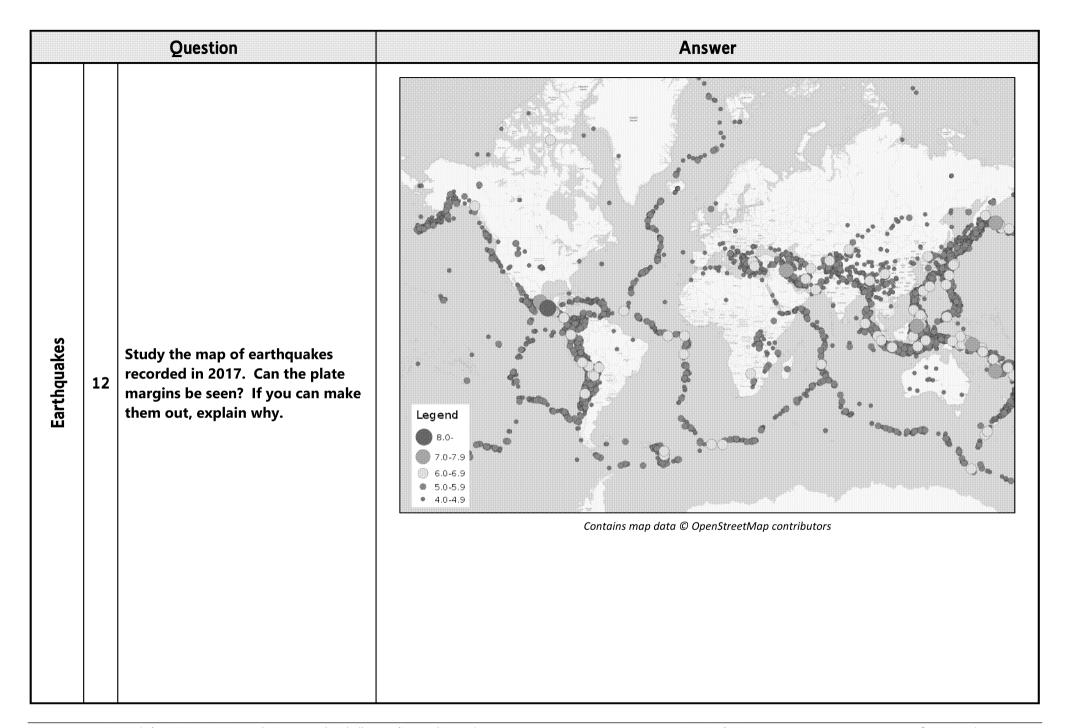
		Question				Answer		
	1	Complete the sentence which describes natural hazards.	Natural hazards are the can cause, but		Many people		regions. The haza	ard is always a
nazards?	2	There are several classifications of hazard. Give two examples of each.	Geological, geomorphological, and tectonic hazard	ds				
What are natural hazards?	3	The photograph shows Mount Everest in the Himalayas. The mountains are formed because two continental plates are colliding. Can you think of two hazards which may be experienced in the region?	1.					

Learning Grid 1: Natural Hazards

ZZTP: Lesson 1 HOD: pp. 2–3

OUP: pp. 8-9

		Question				Answer		
	1	Complete the sentence which describes natural hazards.	Natural hazards are cause <u>fatalities</u> . Ma happen. But when t	any pec	ople live in <u>ha</u> :	<u>zardous</u> regions. Tl	ne hazard is always	property, and can a threat , but may not hazardous
ıazards?	2	There are several classifications of hazard. Give two examples of each.	Geological, geomorphological, and tectonic hazard	ds	mudflows, etc	ms, heavy rainfall or	· 	
What are natural hazards?	3	The photograph shows Mount Everest in the Himalayas. The mountains are formed because two continental plates are colliding. Can you think of two hazards which may be experienced in the region?	 Earthquakes Avalanches 					Zig Zag Jucation ag Education



	T	Question	Answer
Earthquakes	12	Study the map of earthquakes recorded in 2017. Can the plate margins be seen? If you can make them out, explain why.	Legend

		Question	Answer
	10	Name one international agreement which targets climate change.	
Adaptation and mitigation	11	How does the agreement work?	
Ac	12	Outline one difficulty in implementing international agreements.	

		Question	Answer
	10	Name one international agreement which targets climate change.	Allow any suitable agreement such as the Kyoto Protocol (1997) (and the Doha Amendment (2012)), and the Paris climate agreement (2015).
Adaptation and mitigation	11	How does the agreement work?	Kyoto Protocol – developing countries signed up to a legally binding agreement to reduce CO ₂ emissions to 5.2% below 1990 levels (on average). One of the schemes in use was the emissions trading scheme. The scheme ran until 2012. The Doha Amendment – covers the period 2013–2020 and is a continuation of the Kyoto Protocol with stricter targets – 18% below 1990 levels (the European Union committed to 20%). The Paris Climate Agreement – follows on from the Doha Amendment and was agreed in 2015. The agreement agrees to limit CO ₂ emissions, and includes a large number of countries, including the members of the European Union. The aim is to stop 'dangerous' climate change (of 2 °C above pre-industrial levels), with a maximum change of 1.5 °C.
Adap	12	Outline one difficulty in implementing international agreements.	 There are challenges – for example: Voluntary agreements – countries can withdraw or not ratify agreements – such as the USA signalling intent to withdraw from the Paris climate agreement in 2017. Therefore the agreements may fall short of their intended targets. Difficult to enforce or may not be legally binding. The scope or timing may be too short.

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Learning Grid 5a: Tropical Storms and their Formation

ZZTP: Lessons 9 and 10

HOD: pp. 24–29 OUP: pp. 24–27

	Question			Answer	
rms	1	Describe a tropical revolving storm.			
ng sto			Hurricanes		South Pacific, Indian Ocean
/olvii	2	Match the names of the storms to the oceans where they occur.	Cyclones		Atlantic, East Pacific
al re		,	Typhoons		North Pacific
The location and development of tropical revolving storms	3	Describe the areas where tropical revolving storms are located.			

	1	Question	Answer
storms	4	Explain why tropical storms form where they do.	
The location and development of tropical revolving storms	5	The graph shows the number of hurricanes in the Atlantic. Explain the distribution of hurricanes throughout the year.	Mage courtesy of NOAA Mage May 10 Mage May 10 Mage May 10 Mage May 10 Mage Mag

		Question	Answer
The structure of tropical revolving storms	6	Label the diagram of the tropical storm with the following three labels: Rain bands Eye wall Eye	
e of tro	7	What type of clouds are tropical storms made from?	
The structur	8	Describe and explain the conditions experienced under the eye of the storm.	
	9	How does heat power a tropical storm?	
	10	Why do tropical storms weaken as they move over land?	
The effects of climate change	11	How is climate change predicted to change the sea surface temperature (SST)?	

		Question	Answer
	12	How could increased sea level increase the damage caused by tropical revolving storms?	
	13	How can climate change affect how much water can be stored in the atmosphere?	
The effects of climate change on tropical	14	Use the graph to suggest how the power of tropical revolving storms may be affected by climate change.	Above normal Near normal 150 1950 1960 1970 1980 1990 2000 2010 2020 Year
	15	How might the number of tropical revolving storms increase due to climate change?	