

2016 specification
first exams in 2016

OCR B GCSE Geography

Keyword Activities

Topic 4: Sustaining Ecosystems

AP6.
6536

POD
6536

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Contents

Thank You for Choosing ZigZag Education.....	iii
Teacher Feedback Opportunity	iv
Terms and Conditions of Use.....	v
Teacher's Introduction.....	1
Subtopic 1: Ecosystems: General	2
Crossword	2
Fill in the Keyword.....	3
Match Up.....	4
Dominoes.....	5
Subtopic 2: Tropical Rainforests: Properties and Human Activities / Threats	7
Crossword	7
Fill in the Keyword.....	9
Match Up.....	10
Dominoes.....	12
Bingo	15
Subtopic 3: Cold Environments: Properties.....	21
Crossword	21
Fill in the Keyword.....	22
Match Up.....	23
Dominoes.....	24
Bingo	26
Subtopic 4: Cold Environments: Human Activity.....	29
Crossword	29
Fill in the Keyword.....	30
Match Up.....	31
Dominoes.....	32
Bingo	34
Answers	37
Crosswords	37
Fill in the Keyword / Match Up / Dominoes	39
Appendices	41
Personal Revision Glossary	41
Dominoes / Revision Card Template	44
Jumbo Crossword.....	A3 pages

Teacher's Introduction

This resource has been produced to support the teaching of the **2016 OCR B specification for GCSE Geography**:
Topic 4: Sustaining Ecosystems.

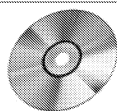
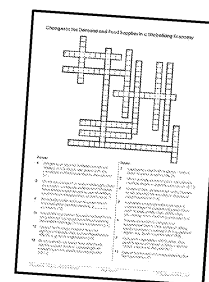
To help with the delivery of the specification all of our keyword activities are organised into topics linked to the key questions presented within each theme. A variety of engaging activities is included to help consolidate your students' understanding of key terminology and concepts. The range of activities enables you to use this resource **before, during** and **after** the teaching of each subtopic, helping your students to **prepare, recap** and **revise** each module.

The learning content for Sustaining Ecosystems is covered by a total of four sets of keywords and matching descriptions. For each set, there are five different keyword activities designed to give you a range of different options for classroom, homework and revision. The answers for all the keywords can be found at the back of the resource, along with the crossword solutions. *NB. Subtopic 1 does not include bingo cards.*

The activities are as follows:

① Crosswords

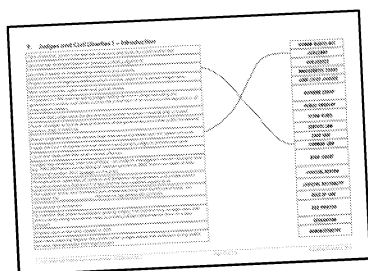
These traditional keyword activities are equally effective as lesson or homework activities – and are also an excellent way to ease students into their revision programme. There is also an A3 'jumbo' crossword with terms from across the whole unit. This could be used as class revision challenge at the end of the unit, perhaps dividing students into teams to see how far they can get.



In addition to the photocopiable worksheets, the crosswords are also provided in interactive format on the accompanying CD-ROM. These are web-based (HTML) and will run straight from your Internet browser.

② Fill in the Keyword

Nothing fancy – students simply write the keyword which is being described, without any other help. Because this activity tests the students' own knowledge, they are best used as a homework activity at the end of each subtopic or during revision. This then acts as a check that they have grasped the key terminology for each subtopic. Alternatively, they could be given to students at the beginning of the subtopic, to see what they already know.



③ Match Up

Students match descriptions to their keyword by drawing lines between them. Because there are similar descriptions and keywords, students are likely to make the odd mistake while completing the activity, so it is recommended that they use a pencil to start with! By eliminating the keywords that they are familiar with, students can then think about and learn the ones that they are less confident with.

④ Dominoes

This is another match up activity, but this one is designed to be used in a more active way to engage students. It is recommended that students work in pairs or small groups. Half of each card contains a keyword, and the other contains a description. To complete the activity, students must align all the cards in the correct order. There is a 'Start' and a 'Finish', meaning that if any cards are left outside of the chain, then students have gone wrong somewhere. The CD contains an editable Word version of the blank dominoes template, so you can make your own.

⑤ Bingo

Each student is given a different bingo card containing a selection of words from the set. The teacher reads the definitions and the student must match the definition to the words on their card to complete rows, columns, and the full bingo card.

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* resulting from minor specification changes, suggestions from teachers and peer reviews, or occasional errors reported by customers

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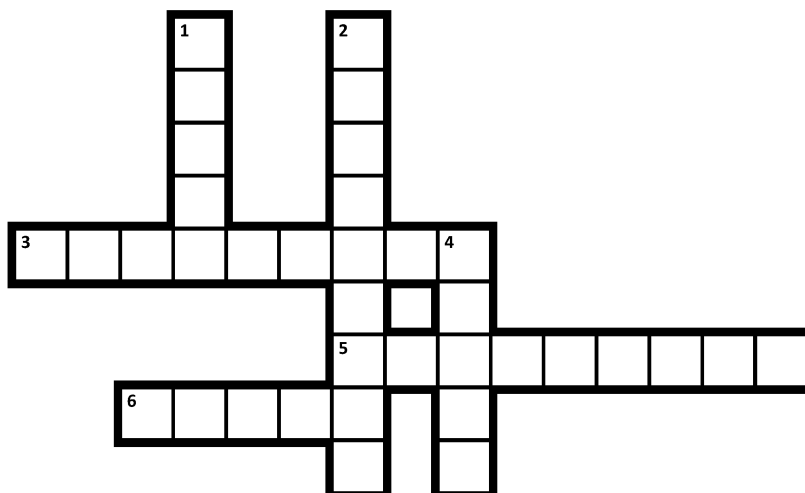
A Roberts, April 2016

Selected Activities and Completed Glossary Page

This sample shows one example of several activities.
The whole resource contains approximately 30 activities –
6 or 7 activities for each of the 4 topics.

The resource covers 47 key terms.

Subtopic 1: Ecosystems: General: Crossword



Across

- 3** Highly biodiverse marine habitat (5,4)
5 Interaction of living and non-living constituents of the environment (9)
6 ____ regions: cold, high-latitude and usually covered by glaciers and ice sheets (5)

Down

- 1** Native animals are often called ____ (5)
2 Sandy with little precipitation (3,6)
4 Native plants are often called ____ (5)

Subtopic 1: Ecosystems: General: Fill in the Keyword

A dynamic system in which organisms interact with each other and the non-living components of the surrounding environment	
The plants in a set region at a set time period, often native	
The animals in a set region at a set time period, often native	
Collection of animals which form calcium carbonate, providing a valuable habitat for many fish and marine species in shallow seas in the tropics and subtropics	
Cold, high-latitude (> 60°–70° north and south) environments usually covered by glaciers and ice sheets, such as Antarctica and Greenland	
Regions located between 20° and 30° north and south (near to the lines of the Tropics of Cancer and Capricorn) that receive less than 250 mm precipitation per year	

Subtopic 1: Ecosystems: General: Match Up

A dynamic system in which organisms interact with each other and the non-living components of the surrounding environment
Cold, high-latitude (> 60°–70° north and south) environments usually covered by glaciers and ice sheets, such as Antarctica and Greenland
Collection of animals which form calcium carbonate, providing a valuable habitat for many fish and marine species in shallow seas in the tropics and subtropics
Regions located between 20° and 30° north and south (near to the lines of the Tropics of Cancer and Capricorn) that receive less than 250 mm precipitation per year
The animals in a set region at a set time period, often native
The plants in a set region at a set time period, often native

CORAL REEF
ECOSYSTEM
FAUNA
FLORA
HOT DESERTS
POLAR REGIONS

Subtopic 1: Ecosystems: General: Dominoes

START	A dynamic system in which organisms interact with each other and the non-living components of the surrounding environment
-------	---

Ecosystem	The plants in a set region at a set time period, often native
-----------	---

Flora	The animals in a set region at a set time period, often native
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Fauna	Collection of animals which form calcium carbonate, providing a valuable habitat for many fish and marine species in shallow seas in the tropics and subtropics
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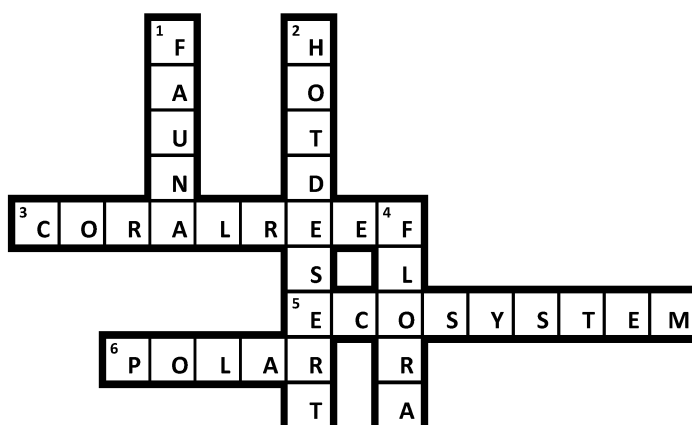
Coral Reef	Cold, high-latitude ($> 60^{\circ}$ – 70° north and south) environments usually covered by glaciers and ice sheets, such as Antarctica and Greenland
------------	--

Polar Regions	Regions located between 20° and 30° north and south (near to the lines of the Tropics of Cancer and Capricorn) that receive less than 250 mm precipitation per year
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Hot Deserts	FINISH
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Crosswords

Subtopic 1: Ecosystems: General



Subtopic 2: Tropical Rainforests: Properties and Human Activities / Threats

