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Surname		Other names	
Centre Number		Candidate Number	
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<h1 style="margin: 0;">Edexcel GCSE</h1> <h1 style="margin: 10px 0 0 0;">Geography A</h1> <h2 style="margin: 0 0 0 0;">Unit 2: The Natural Environment</h2> <div style="text-align: right; margin-top: 10px;"> Higher Tier </div>			
Monday 24 January 2011 – Morning Time: 1 hour		Paper Reference 5GA2H/01	
You must have: Resource Booklet (enclosed)			Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- In Section **A** answer only **one** question from questions 1, 2, 3 **or** 4.
- In Section **B** answer **either** question 5 **or** 6.
- Answer the questions in the spaces provided
– *there may be more space than you need.*

Information

- The total mark for this paper is 50.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed
– *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Check your answers if you have time at the end.

Turn over ►

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SECTION A – THE PHYSICAL WORLD

Answer only ONE question from Section A.

Indicate which question you are answering by marking a cross in the box ☒. If you change your mind, put a line through the box ☒ and then indicate your new question with a cross ☒.

Topic 1: Coastal Landscapes

If you answer Question 1 put a cross in this box ☒

1 (a) Study Figure 1a.

It shows Compton Bay on the Isle of Wight.



(Source: Lis Parham)

Figure 1a

(i) Which process of mass movement has occurred at **S** on Figure 1a?

(1)

(ii) Name landforms **Y** and **Z** shown in Figure 1a.

(2)

Y

Z



(iii) Outline the characteristic features of a destructive wave.

You may use a diagram in your answer.

(4)

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(b) Study Figure 1c (photograph) in the Resource Booklet.

It shows a beach with groynes in Swanage.

(i) Are these groynes an example of hard or soft engineering?

(1)

(ii) Groynes such as the ones shown in Figure 1c protect cliffs from erosion.

Explain how.

(3)



(iii) Explain the formation of cliffs and wave-cut platforms.

Use an annotated diagram or diagrams in your answer.

(4)

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(c) Explain how variations in the length of fetch and the geology might increase the rate of coastal recession.

(4)

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(d) Explain the effects of coastal recession on people and the environment.

Use examples in your answer.

(6)

(Total for Question 1 = 25 marks)



Topic 2: River Landscapes

If you answer Question 2 put a cross in this box ☐

2 (a) Study Figure 2a.

It shows the drainage basin of the River Seine in France.

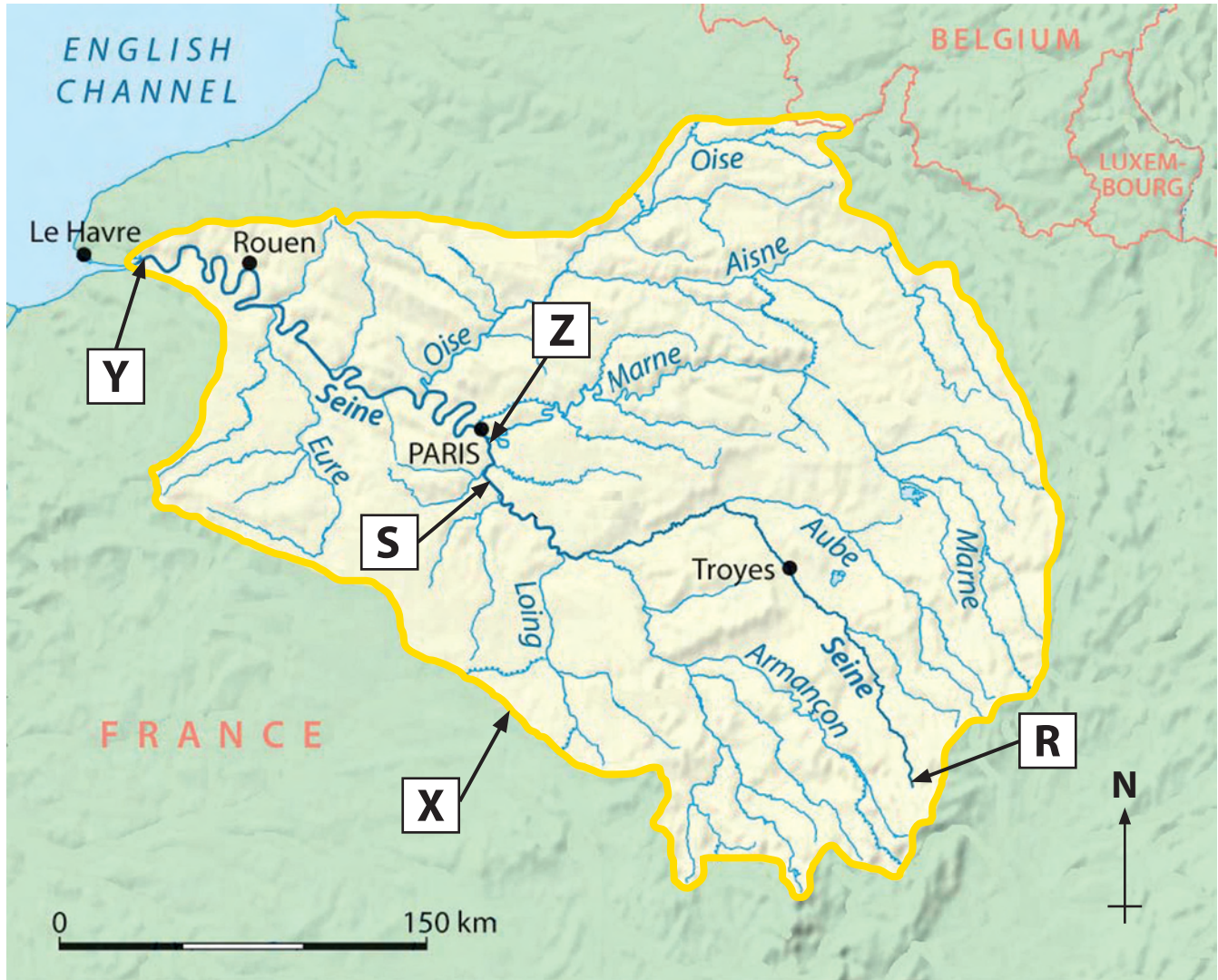


Figure 2a

(i) **X**, **Y** and **Z** are features of a drainage basin.

Name features **X**, **Y** and **Z**.

(3)

X

Y

Z



- (ii) The characteristics of the River Seine change as it flows from point **R** to point **S**.

Outline how these characteristics change.

(4)

- (b) Study Figure 2c (photograph) in the Resource Booklet.

It shows a river in Los Angeles, USA.

- (i) Is the management shown on Figure 2c an example of hard or soft engineering?

(1)

- (ii) Explain how the management shown in Figure 2c could help to reduce erosion.

(3)



(iii) Explain how a waterfall is formed.

Use an annotated diagram or diagrams in your answer.

(4)

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(c) Explain **one** human and **one** physical cause of flooding.

(4)

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(d) Explain the effects of flooding on people and the environment.

Use examples in your answer.

(6)

(Total for Question 2 = 25 marks)



Topic 3: Glaciated Landscapes

If you answer Question 3 put a cross in this box ☐

3 (a) Study Figure 3a.

It shows a satellite image of a glaciated upland in North Wales.

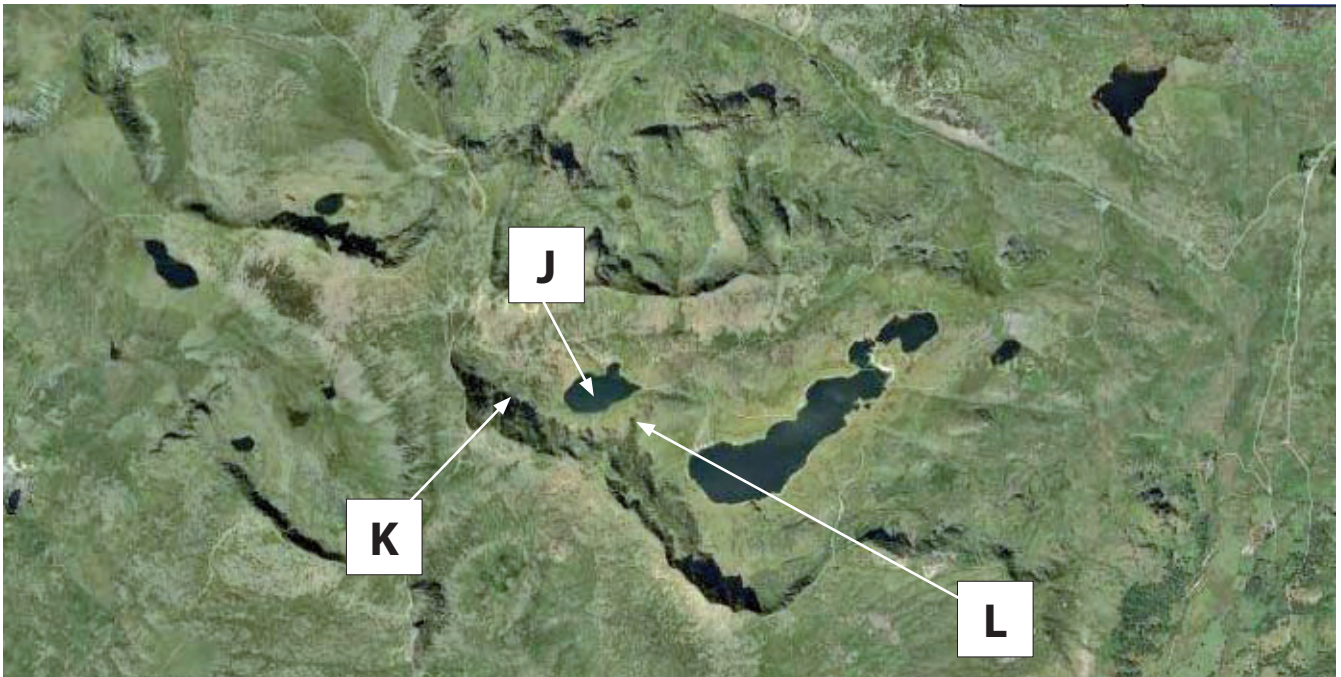


Figure 3a

(i) Name the **three** landforms **K**, **J** and **L** shown in Figure 3a.

(3)

K

J

L

(ii) Outline how freeze-thaw weathering can provide material for abrasion.

(3)

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H 3 8 1 0 3 A 0 1 3 3 2

(b) Study Figure 3c (photograph) in the Resource Booklet.

It shows a glaciated area in Pakistan.

(i) Name the **two** types of moraine shown in Figure 3c.

(2)

1

2

(ii) Choose **one** type of moraine.

Outline how it is formed.

(3)

Chosen type of moraine

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(iii) Explain how an erratic is formed.

Use an annotated diagram or diagrams in your answer.

(4)

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(c) Explain how the effects of avalanches can be reduced.

(4)



(d) Choose an avalanche you have studied.

Explain the causes of the avalanche.

(6)

Chosen study

(Total for Question 3 = 25 marks)



Topic 4: Tectonic Landscapes

If you answer Question 4 put a cross in this box ☐

4 (a) Study Figure 4a.

It shows the magnitude of earthquakes on 23rd August 2009.

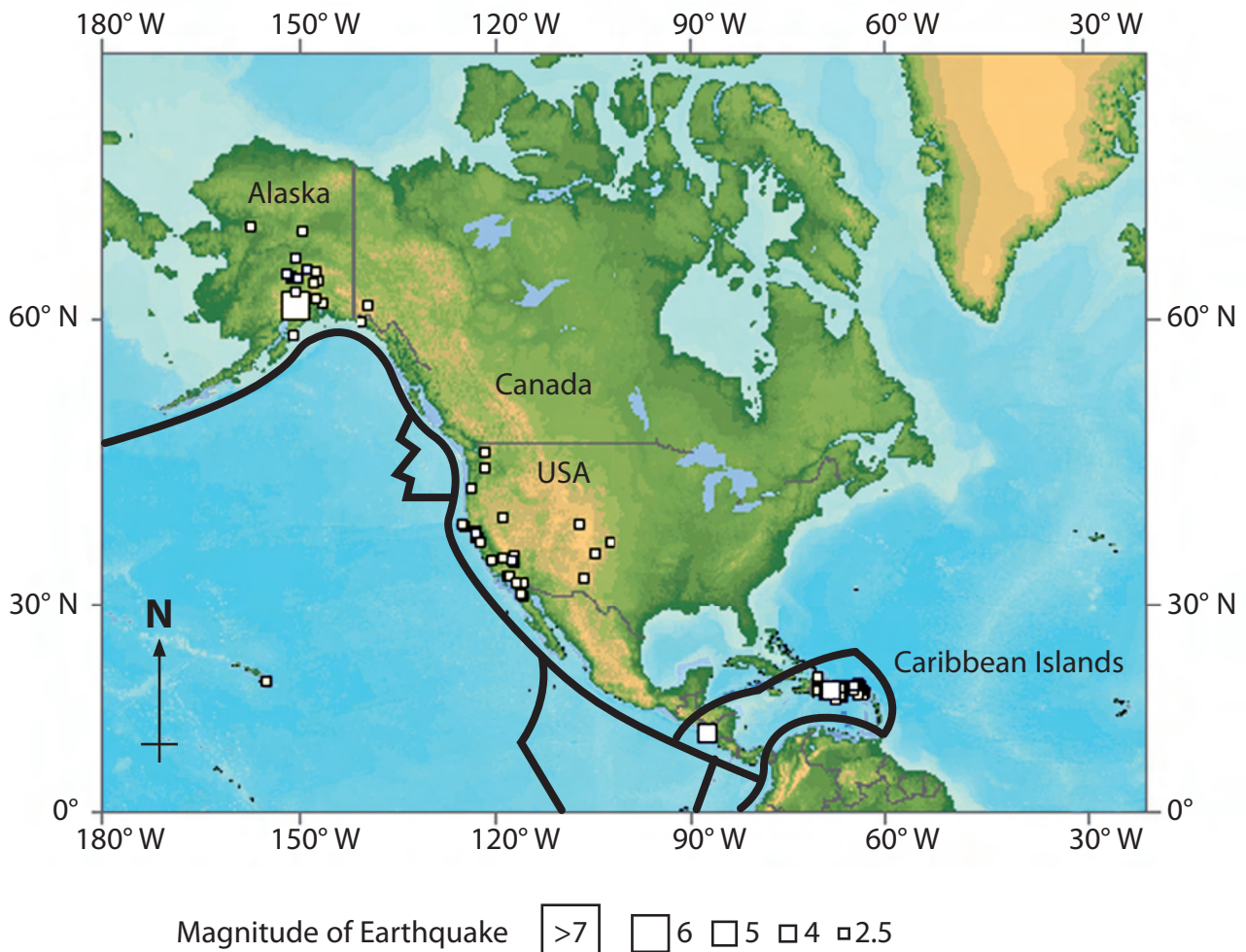


Figure 4a

(i) Which area had the largest earthquake on the 23rd August 2009?

(1)



(ii) Describe the distribution of earthquakes shown on Figure 4a.

Use evidence from Figure 4a in your answer.

(4)

(iii) Outline a difference between the focus and epicentre of an earthquake.

(2)



(b) Study Figure 4c (satellite image) in the Resource Booklet.

It shows Arrecife on the volcanic island of Lanzarote.

(i) What is the main human activity shown at **P** on Figure 4c?

(1)

(ii) Outline why people continue to live on volcanic islands such as Lanzarote.

(3)



(iii) The island of Lanzarote has been formed over a hotspot.

Explain how volcanoes form over hotspots.

Use an annotated diagram or diagrams in your answer.

(4)

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H 3 8 1 0 3 A 0 2 1 3 2

(c) Explain how the effects of an earthquake can be reduced.

(4)

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(d) Choose a volcanic eruption **or** an earthquake you have studied.

Explain the causes of the volcanic eruption **or** earthquake.

(6)

Chosen study

(Total for Question 4 = 25 marks)

TOTAL FOR SECTION A = 25 MARKS



(ii) Describe the distribution of Greater London boroughs below 24% recycling rate. (3)

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(iii) Name **two** types of domestic waste that are recycled locally. (2)

1

2

(iv) Explain how **one** High Income Country (HIC) disposes of its waste. (4)

Chosen HIC

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(b) Study Figure 5b in the Resource Booklet.

It is a cartoon about a source of energy.

(i) What type of energy is shown in Figure 5b?

(1)

(ii) What message is the cartoon trying to give?

(2)

(iii) Outline the benefits of the type of energy source shown in Figure 5b.

(3)

(iv) Describe how energy is wasted in the home.

(3)



Use examples in your answer.

H 3 8 1 0 3 A 0 2 7 3 2

Topic 6: A Watery World

If you answer Question 6 put a cross in this box ☐

6 (a) Study Figure 6a.

It is a map showing outbreaks of cholera.

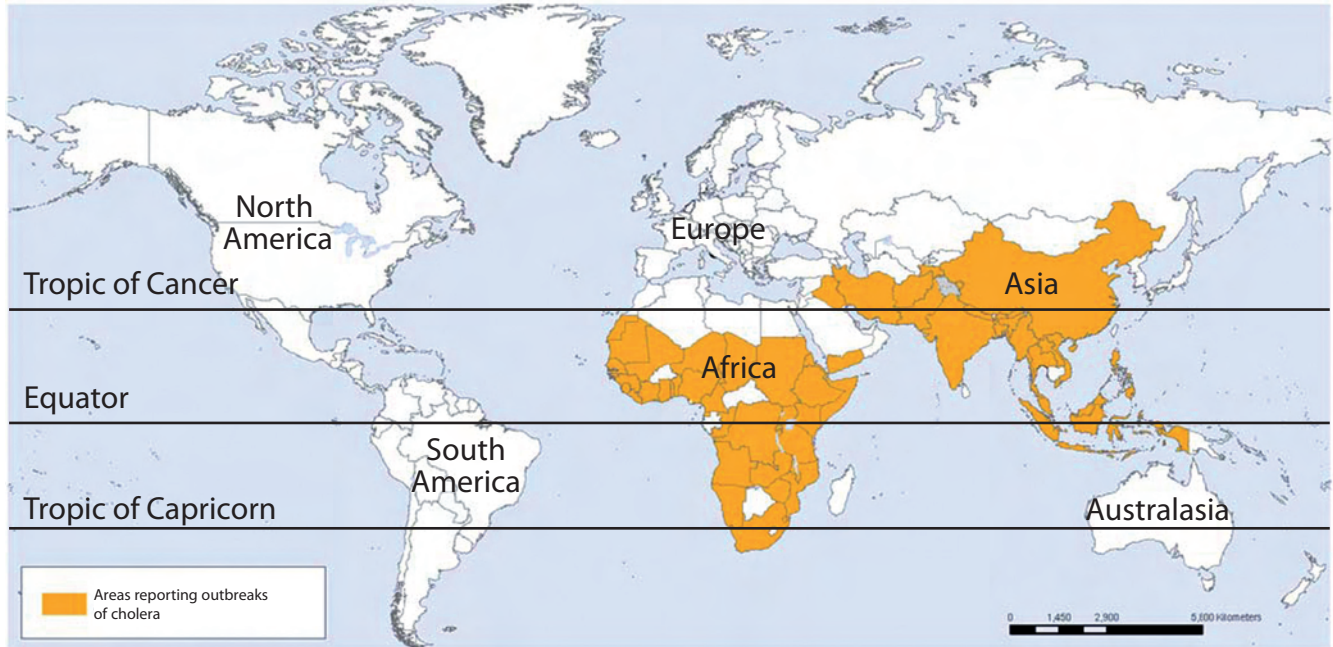


Figure 6a

(i) Name a continent with an outbreak of cholera.

(1)

(ii) Describe the distribution of the outbreaks of cholera shown in Figure 6a.

(3)



(iii) Outline how a lack of clean water can lead to increased water-borne diseases such as cholera.

(3)

(b) Study Figure 6b (photograph) in the Resource Booklet.

It shows Bewl Water, a reservoir in Kent.

(i) Suggest the problems caused by creating reservoirs such as Bewl Water.

You may use evidence from the photograph in your answer.

(3)

(ii) Name another way that water is obtained at a local scale.

(1)



- (iii) Outline how a seasonal imbalance in rainfall can cause water supply problems in High Income Countries (HICs).

You may use an example in your answer.

(4)

- (c) Explain how Low Income Countries (LICs) use appropriate technology to provide water for small communities.

(4)



*(d) Choose a water transfer scheme you have studied.

Explain how the water transfer scheme has caused conflicts between areas.

(6)

Chosen water transfer scheme

(Total for Question 6 = 25 marks)

TOTAL FOR SECTION B = 25 MARKS
TOTAL FOR PAPER = 50 MARKS



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Edexcel GCSE

Geography A

Unit 2: The Natural Environment

Paper 2F and 2H

Monday 24 January 2011 – Morning

Resource Booklet

Paper Reference

5GA2F/01

5GA2H/01

Do not return the Resource Booklet with the question paper.

Information

This Resource Booklet contains maps and photographs needed for use with the Unit 2: The Natural Environment examination.

This Resource Booklet is for use with foundation tier and higher tier.

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SECTION A – THE PHYSICAL WORLD

Topic 1: Coastal Landscapes



Figure 1c

Topic 2: River Landscapes



Figure 2c

Topic 3: Glaciated Landscapes



Figure 3c

Topic 4: Tectonic Landscapes



Figure 4c

SECTION B – ENVIRONMENTAL ISSUES

Topic 5: A Wasteful World

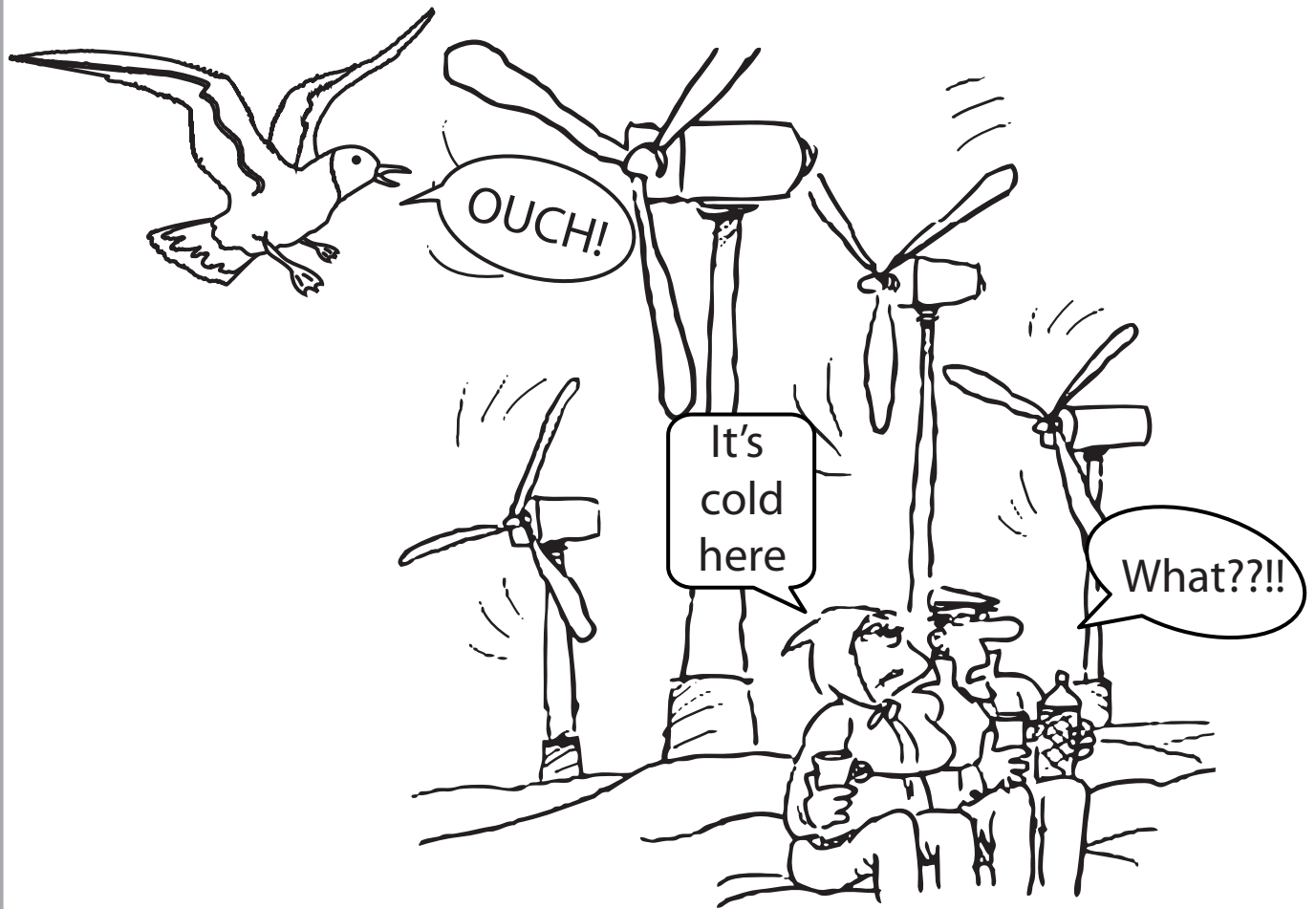


Figure 5b

Topic 6: A Watery World



Figure 6b

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