

GCSE Geography Homework Year 10 - Term 2 Natural Hazards

Due Date	Knowledge Organiser Revision	Task
Tuesday 10 th November	Natural Hazards	<u>Revision:</u> 1. Tectonic Hazards
Tuesday 17 th November		<u>Revision:</u> 1. Case Studies
Tuesday 24 th November		<u>Revision:</u> 1. Tropical Storms
Tuesday 1st December		<u>Revision:</u> 1. Hazards
Tuesday 8 th December		<u>Revision:</u> 1. Climate Change
Tuesday 15 th December		<u>Revision:</u> 1. Extreme Weather

Answer the three questions below. (4)

Name one tectonic hazard.

Name our LIC tectonic hazard case study

Name our HIC tectonic hazard case study

Define the term LIC and HIC.

Match up the **primary** and **secondary** effects to the correct earthquake. (6 Marks)

500 people were killed, 12,000 injured and 800,000 people affected.

Coastal towns were devastated by a tsunami.

9,000 people were killed, 20,000 people injured. 8,000,000 people were affected.

Communities cut off by landslides and avalanches.

US\$5 billion damage.

Chemical plant fire near Santiago forced evacuations.

US\$30 billion damage.

Avalanches on Mt Everest killed a number of climbers

Primary effect Chile earthquake

Primary effect Chile earthquake

Secondary effect Chile earthquake

Secondary effect Chile earthquake

Primary effect Nepal earthquake

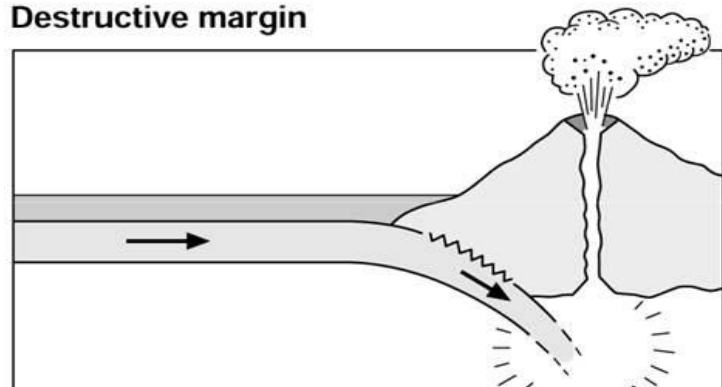
Primary effect Nepal earthquake

Secondary effect Nepal earthquake

Secondary effect Nepal earthquake

Describe the movement of the plates at a destructive plate margin. (4 marks)

Destructive margin



Name:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

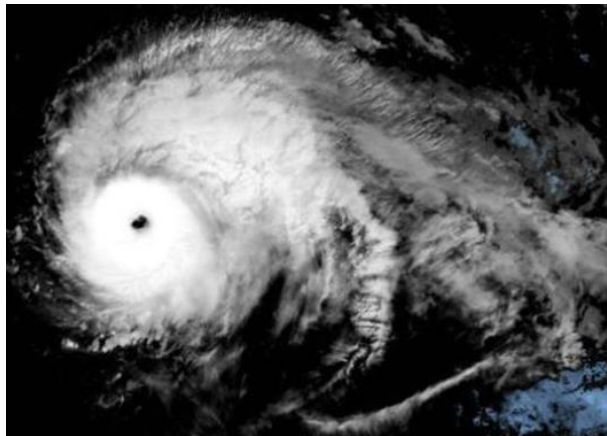
Answer the three questions below. (4)
Name one condition needed for a tropical storm

Does the air rise or fall for a tropical storm?

Does the air need to be low or high pressure?

Name the case study for a tropical storm.

Using the figure below, label the different parts of the tropical storm. (3 marks)



List two primary and two secondary effects of the tropical storm case study. (4)

1. _____
2. _____
3. _____
4. _____

Describe the path of the tropical storm(4 marks)

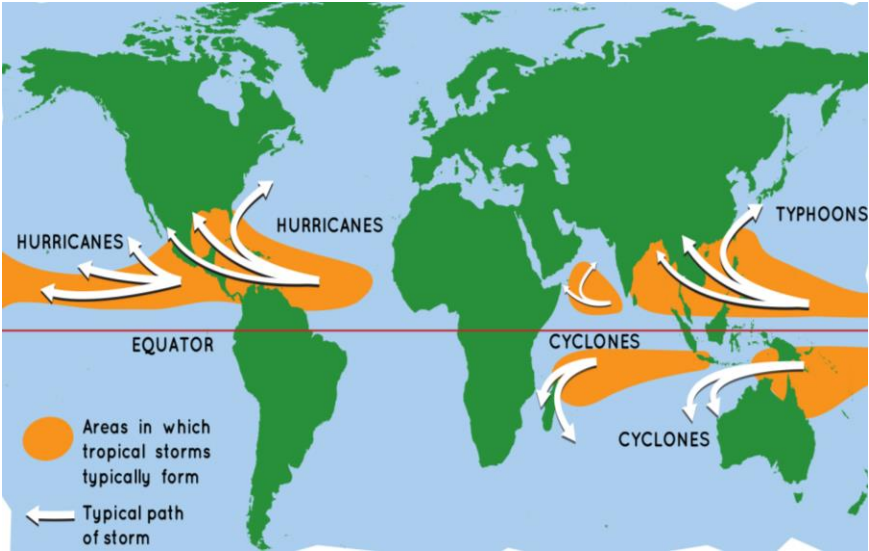


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Complete the four questions.

- 1) Which continent does Hurricane occur? _____
- 2) Which continent does Typhoons occur? _____
- 3) Which three continents do Cyclones occur? _____

- 4) Which continent is not affected by a tropical storm? _____



Describe the location of the Philippines. (3 marks)

Keywords: Asia, East, Pacific Ocean

Complete the definitions of the keywords below (4 marks):

Economic	
Social	
Environmental	
Storm Surge	

Explain how storm surges and strong winds create damage from a tropical storm.(4 marks)
You must use your sentence starters.

Define the term extreme weather (1 mark):

Annotate the diagram with two economic and two social impacts of extreme weather you can see. (4 marks)



From your own knowledge describe the location of Calderdale (3 marks).

Keywords: Yorkshire, North, West, England, United Kingdom.

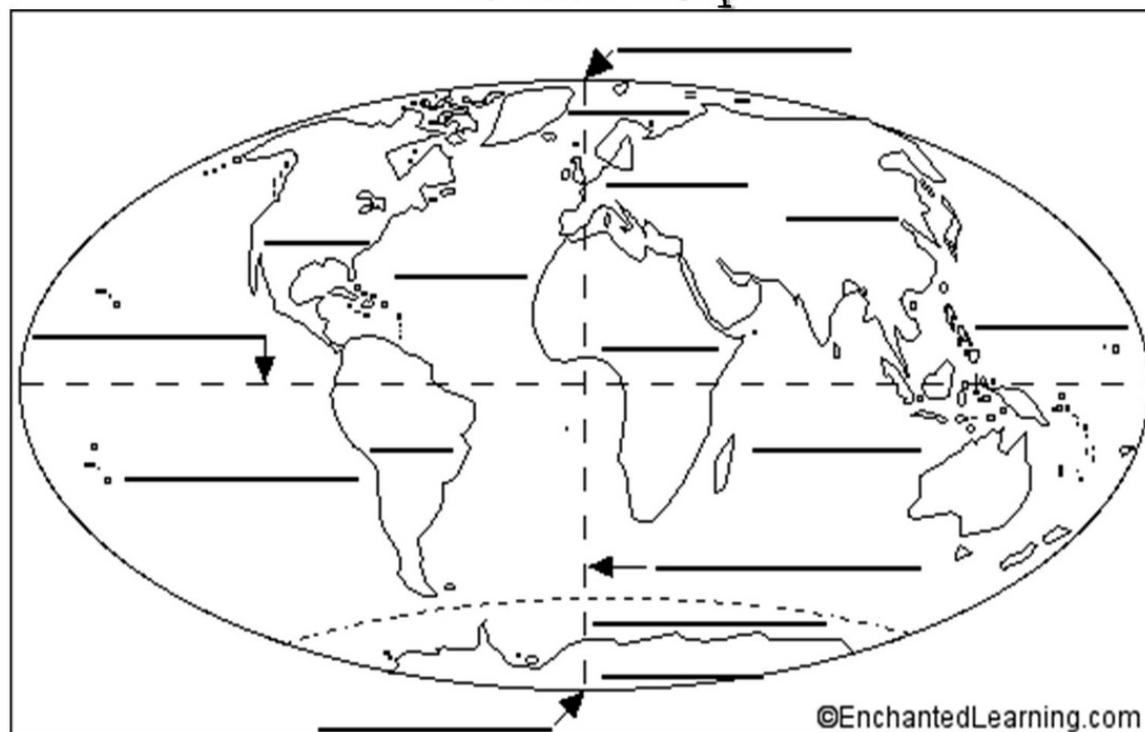
Using your own knowledge, explain how extreme weather can have economic, social and environmental impacts (6 marks). You must use your sentence starters.

Use your knowledge organiser to find the information needed for this answer.
To explain you need to use the word **because**.

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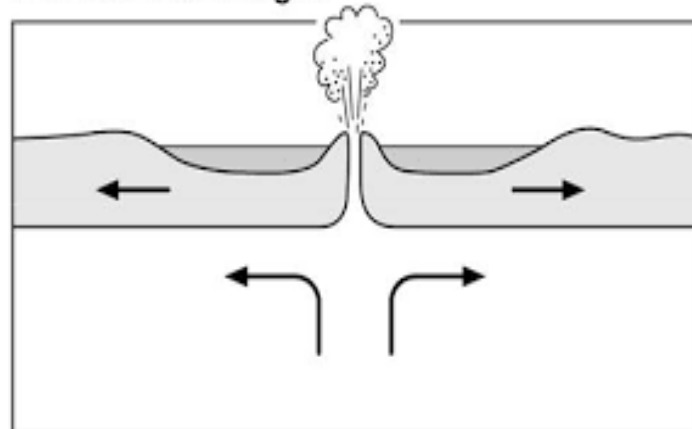
Label the seven continents of the world. (7 marks)

World Map



Describe the movement of the plates at a constructive plate margin. (3 marks)

Constructive margin



Two primary effects of the Chile Earthquake (2 marks)

1.

2.

Two secondary effects of the Chile Earthquake (2 marks)

1.

2.

Answer the three questions below. (4)

Name one tectonic hazard.

Name our LIC tectonic hazard case study

Name our HIC tectonic hazard case study

Define the term LIC and HIC.

Two primary effects of the Nepal Earthquake (2 marks)

1.

2.

Two secondary effects of the Nepal Earthquake (2 marks)

1.

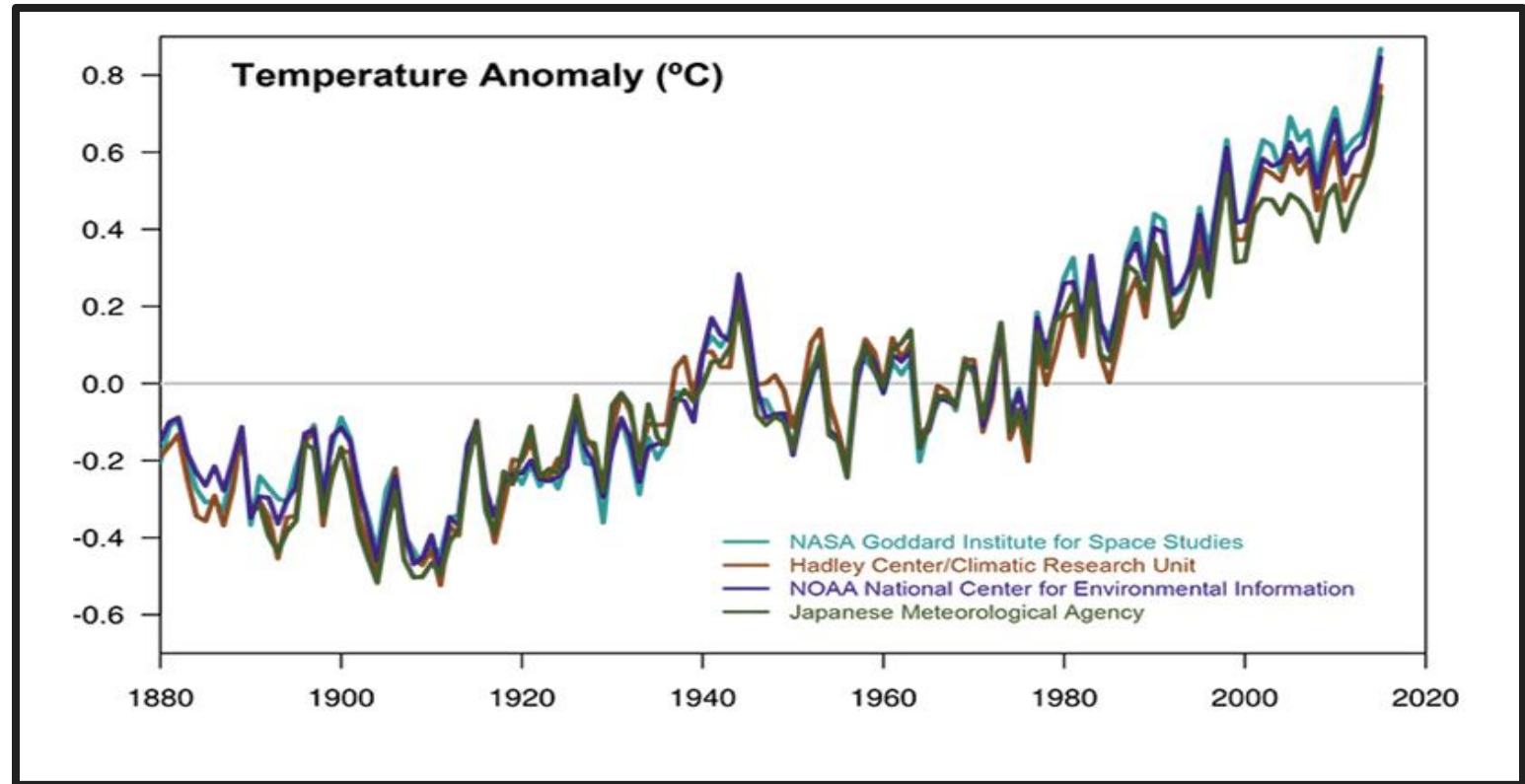
2.

“Natural hazards are worse in HICs rather than in NEEs/ LICs.” Do you agree or disagree? Explain your answer using evidence from your case studies. (6 marks) You must use your sentence starters.



Label the four nations of the United Kingdom. (4 marks)

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Using the graph above, complete the following questions.

The X axis of the graph shows -----

Between which years are the lowest temperatures recoded? -----

Describe the trend of temperature changes from 1880 to 2020.

Two human causes of climate change (2 marks)	Two natural causes of climate change (2 marks)
1.	1.
2.	2.

Using the photo, annotate the different types of renewable energy you can see. (2 marks)



Explain why these source of energy help to mitigate climate change. (4 marks)

Define the key terms below:

Mitigation	
Adaptation	

Explain why afforestation is a good way to reduce climate change. (4 marks)

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Define the key terms below:

Primary Effect		These problems occur as a result of the hazard. This is an indirect effect.
Secondary Effect		This is the rebuilding of roads and buildings after the hazard but it is not required quickly.
Immediate Response		These effects happen straight after an earthquake or a tropical storm
Long Term Response		This is food, water and shelter which is provided in the 24 to 72 hours after the hazard

Explain why are responses to tectonic hazards slower in a LIC than a HIC? (4 marks)

Using the images below, work out if they are preparation, prediction or planning.

Volcano Sensors

Earthquake survival kit

Earthquake proof buildings

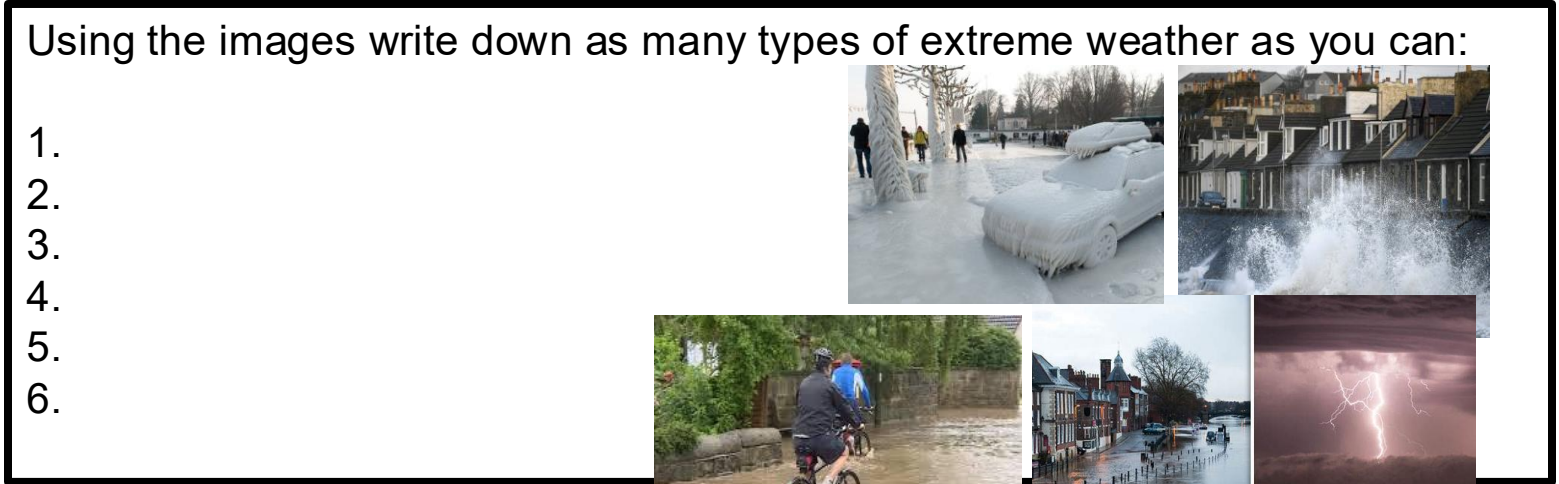
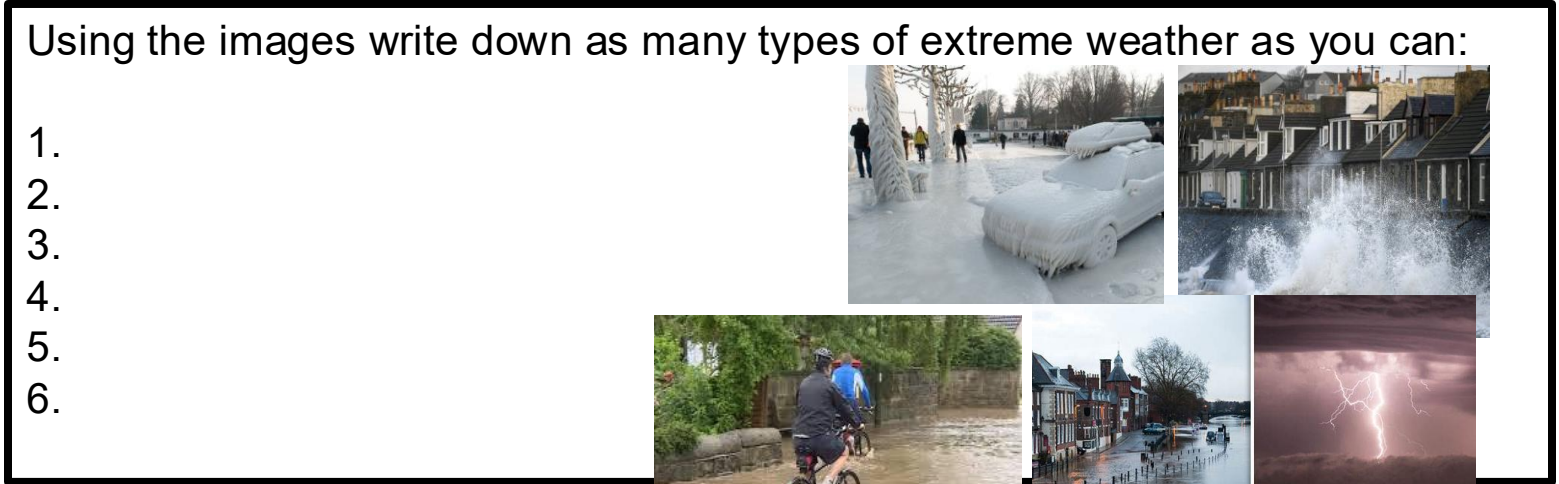
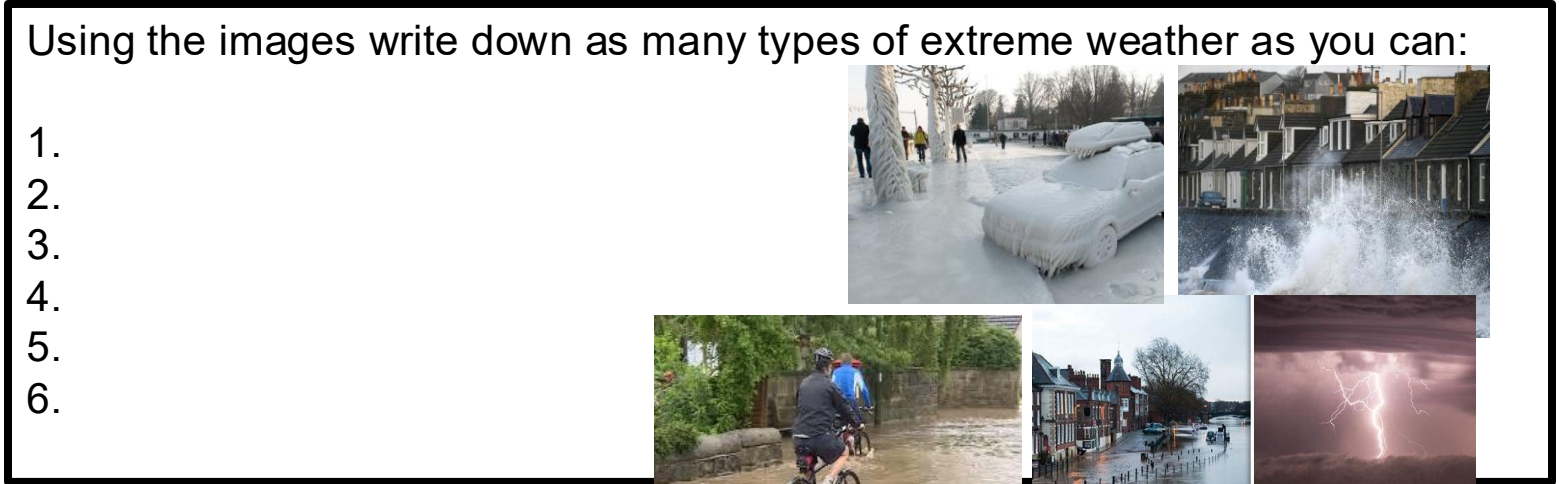
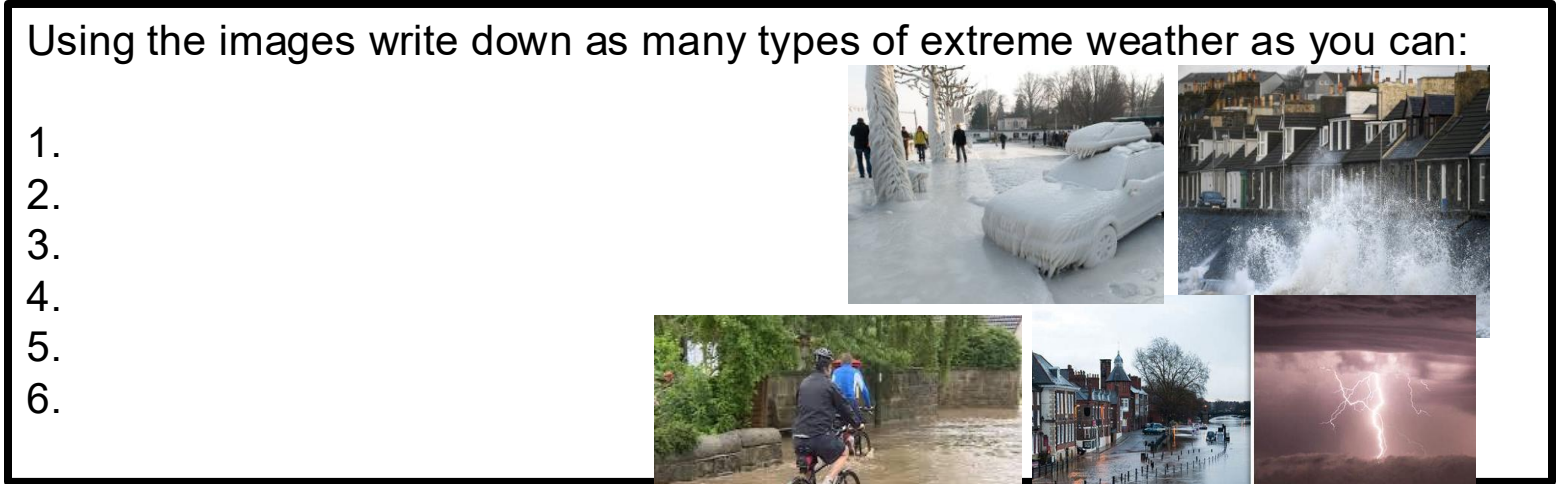
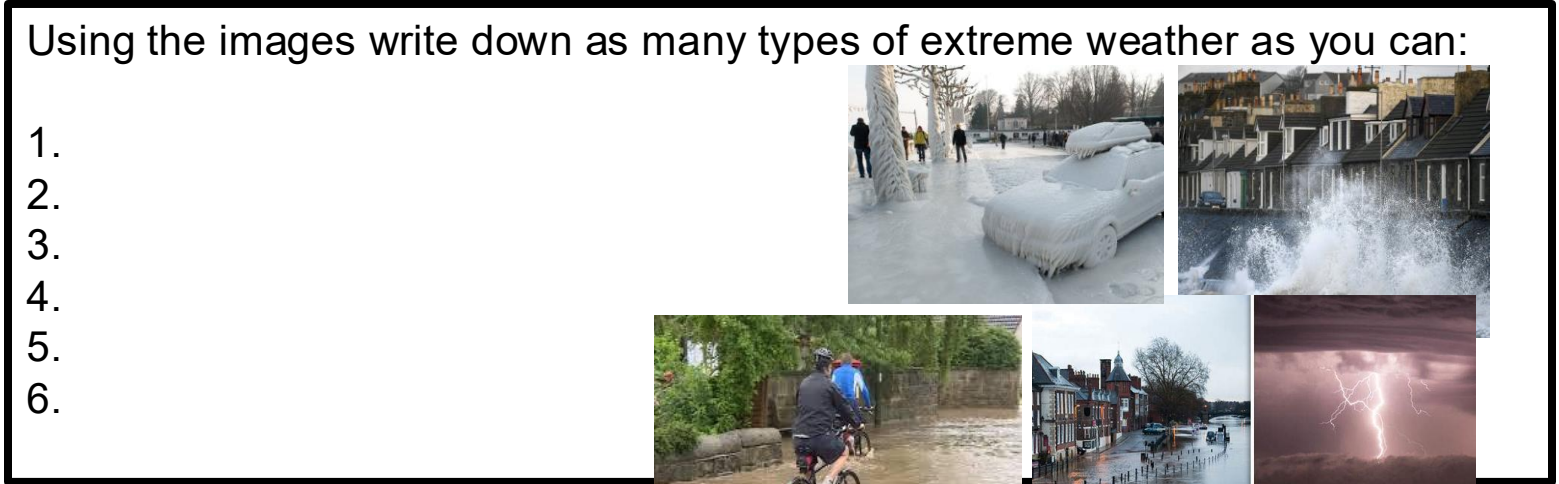
Using the images write down as many types of extreme weather as you can:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



The collage consists of five photographs. The top-left photo shows a white car completely covered in snow, with snow also piled up on the branches of a tree next to it. The top-right photo shows a large, powerful wave crashing against the side of a building, creating a massive splash of white water. The bottom-left photo shows a person wearing a helmet and dark clothing riding a bicycle through a street that is completely flooded with water. The bottom-middle photo shows a street scene with buildings in the background, where the water level is high enough to reach the windows of the ground-floor shops. The bottom-right photo shows a dramatic sky with dark, heavy clouds and a single, very bright lightning bolt striking down.

- Using the images write down as many types of extreme weather as you can:
- 1.
 - 2.
 - 3.
 - 4.
 - 5.
 - 6.
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Complete the definitions of the keywords below (4 marks):

Economic	
Social	
Environmental	
Extreme Weather	

Using your own knowledge, explain how extreme weather can have economic, social and environmental impacts (6 marks). You must use your sentence starters.

[illegible]