1.7 Weather Hazards: 10-minute Pack

AQA 8035 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Explain TWO ways that primary effects of a tropical storm differ from secondary effects, using an example of each.

(Total for Question 1 is 4 marks)

2 Describe how the UK monitors and prepares for extreme weather.

(Total for Question 2 is 4 marks)

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Mark scheme · 1.7 Weather Hazards: 10-minute Pack

Question 1

a primary effect is caused directly by the storm itself, e.g. strong winds damaging or destroying buildings and trees, oe **B1**

it happens at the time the storm strikes, oe **B1**

a secondary effect is a knock-on consequence that happens afterwards, e.g. disease spreading due to contaminated flood water and damaged sanitation, oe **B1**

it happens over the following days, weeks or months, oe **B1**

Answer: A primary effect is caused directly by the storm at the time it strikes, e.g. strong winds damaging buildings and trees; a secondary effect is a knock-on consequence that develops over the following days, weeks or months, e.g. disease spreading due to contaminated flood water and damaged sanitation.

Question 2

the Met Office monitors weather using satellites, radar and weather stations, oe **B1**

it issues a colour-coded weather warning system (yellow, amber, red) for the public and emergency services, oe **B1**

the Environment Agency issues separate flood warnings and flood alerts for specific rivers and areas, oe **B1**

local authorities and emergency services use these warnings to prepare resources, such as sandbags, evacuation plans and emergency shelters, in advance, oe **B1**

Answer: The Met Office monitors weather using satellites, radar and weather stations, and issues colour-coded warnings (yellow, amber, red); the Environment Agency issues separate flood warnings and alerts; local authorities and emergency services use these warnings to prepare resources such as sandbags, evacuation plans and shelters in advance.

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