Activity

The north Atlantic hurricane season of 2017

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Read the 'Changing places' article on pages 19 to 22 of WIDEWORLD, Vol. 30, No. 1, and use it to answer the following exam-style questions.

Questions

1   Explain one cause of a hurricane. (2 marks)

2   Suggest two reasons why the 2017 hurricane season was so active. (4 marks)

3   Compare and contrast the impacts of Hurricane Irma and Hurricane Maria in 2017. (6 marks)

4   To what extent were the responses to Hurricane Maria effective? (9+3 SPaG)

Once you have answered these questions ask your teacher for the mark schemes so you can mark them.

Teacher notes

Students will need to have a copy of the WIDEWORLD article in order to complete the activities.

A simplified mark scheme appears below, but please adapt to your exam board using sample assessment materials.

1 Explain one cause of a hurricane. (2 marks)

One mark for reason, second mark for explanation.

For example:

'One cause of a hurricane is warm water of over 26 degrees centigrade. (1) This provides energy which fuels the storm encouraging it to grow in intensity.' (1)

2 Suggest two reasons why the 2017 hurricane season was so active. (4 marks)

One mark for reason, second mark for expansion/detail/explanation.

For example:

'High pressure over the Atlantic, (1) which created calm conditions needed for tropical storms to develop. (1)

'Rising ocean temperatures in the Caribbean (1) provided more warm water and energy from evaporation to fuel the storm.' (1)

3 Compare and contrast the impacts of the Hurricane Irma and Hurricane Maria in 2017. (6 marks)

4–6 marks	Demonstrates reasonable application of knowledge and understanding in comparing and contrasting the impacts of Hurricane Irma and Hurricane Maria.
	Applies knowledge and understanding based on a reasonable range of supportive evidence, making clear links with content from course of study.
	Selects appropriate information from both named examples.
1–3 marks	Demonstrates basic application of knowledge and understanding in comparing the impacts of Hurricane Irma and Hurricane Maria.
	Applies knowledge and understanding based on a limited range of supportive evidence.
	Selects relevant information from both named examples.
0	No relevant content

4   To what extent were the responses to Hurricane Maria effective? (9+3 SPaG)

7–9 marks	Demonstrates thorough application of knowledge and understanding in in assessing the effectiveness of responses to Hurricane Maria.
	Applies knowledge and understanding based on a wide range of supportive evidence, making detailed links with content from course of study.
	Communicates findings with clarity.
4–6 marks	Demonstrates reasonable application of knowledge and understanding in assessing the effectiveness of responses to Hurricane Maria.
	Applies knowledge and understanding based on a reasonable range of supportive evidence, making clear links with content from course of study.
	Selects appropriate information to support judgement.
1–3 marks	Demonstrates basic application of knowledge and understanding in assessing the responses to Hurricane Maria.
	Applies knowledge and understanding based on a limited range of supportive evidence.
	Selects information with some links to the judgement.
0	No relevant content