Dealing with Extreme Weather: Hurricanes in the Caribbean

*What causes extreme weather, and how do people deal with it?*

**Preview**

Draw on the outline map of the Caribbean below.
- Label any physical features and countries you know.
- Use symbols and colors to show things you know about the Caribbean.
- Create a legend that identifies your symbols and colors.
- Title your map, and add a compass rose.
## Section 1 - The Geographic Setting

Read the Introduction and Section 1. Then, create an illustrated dictionary of the Geoterm by completing these tasks:

- Create a symbol or an illustration to represent each term.
- Write a definition of each term in your own words.
- Write a sentence that includes the term.

<table>
<thead>
<tr>
<th>Geoterm and Symbol</th>
<th>Definition</th>
<th>Sentence</th>
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</thead>
<tbody>
<tr>
<td>El Niño</td>
<td>extreme weather</td>
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<tr>
<td></td>
<td>meteorology</td>
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<td></td>
<td>natural disaster</td>
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<td>tropical cyclone</td>
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As you read each of Sections 2 to 7, complete the notebook for that section.

**Section 2 - Understanding the Weather Machine**

Based on what you learned in the reading, describe what you see on this graphic organizer.

**Section 3 - Extreme Weather: A Hurricane Is Born**

Write a summary of how a hurricane is formed. Include these terms in your summary: *Africa, Atlantic Ocean, warm and moist air, thunderstorms, tropical disturbance, Coriolis effect, tropical cyclone.*

**Section 4 - Inside a Monster Storm**

Draw a simple diagram of the inside of a hurricane. Include and label these parts: *eye, eye wall, rainbands.*
Section 5 - Tracking and Preparing for a Hurricane

Write a summary of how people track and prepare for a hurricane. Include these terms in your summary: meteorologist, hurricane watch, hurricane warning, Saffir-Simpson scale.

Section 6 - Landfall: A Natural Disaster Begins

Write a summary of what happens when a hurricane makes landfall. Include these terms in your summary: wind, rain, storm surge, Caribbean.

Section 7 - Cleaning Up After a Natural Disaster

Write a summary of what happens after a hurricane. Include these terms in your summary: rebuilding, relief agencies, cleaning up, Caribbean.
Create a pamphlet for Jamaica’s Office of Disaster Preparedness and Emergency Management. The pamphlet will help teach people about hurricanes. Plan your pamphlet here.

Fold a sheet of paper in half to make your pamphlet. Your pamphlet should have
• a front cover with a catchy title and a colorful visual.
• a section on what causes hurricanes and how they gain strength. Include a title and an illustration.
• a section on how people can prepare for hurricanes. Include a title, at least five tips or important pieces of information, and a helpful illustration.
• a back cover with interesting facts about hurricanes in the Caribbean. You might include details about past storms, such as the amount of destruction caused by hurricanes.
• creative touches to make your pamphlet stand out.
• writing that uses correct grammar and spelling.