

Name _____

The Storm Within: Understanding the Impact of Climate Change on Extreme Weather Events

Open-Ended Response Questions

1. Discuss the relationship between climate change and the intensity of hurricanes, considering factors such as sea surface temperatures, atmospheric moisture, and storm surges.
2. Describe the impacts of prolonged droughts on ecosystems and human communities, emphasizing the importance of water management strategies, drought-resistant crops, and conservation efforts in mitigating these effects.
3. Explain how extreme heat events disproportionately affect vulnerable populations, such as the elderly, children, and low-income communities, and discuss the role of heatwave preparedness plans, cooling centers, and public health initiatives in reducing heat-related risks and promoting resilience.
4. Discuss the interconnected nature of extreme weather events and their broader implications for global climate systems, emphasizing the need for coordinated action, scientific research, and international cooperation in addressing climate change and its impacts on society and the environment.

