

Name _____

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

Multiple Choice Questions

1. How does climate change affect hurricanes?
 - a) By reducing sea surface temperatures
 - b) By increasing rainfall rates
 - c) By weakening storm surges
 - d) By decreasing storm intensity

2. What contributes to the intensification of hurricanes?
 - a) Warmer ocean waters
 - b) Cooling ocean waters
 - c) Decreased atmospheric moisture
 - d) Reduced wind speeds

3. What are the impacts of droughts exacerbated by climate change?
 - a) Increased soil moisture levels
 - b) Improved agricultural productivity
 - c) Water shortages and wildfires
 - d) Decreased evaporation rates

4. How does climate change influence heatwave events?
 - a) By decreasing baseline temperatures
 - b) By reducing the frequency of extreme heat events
 - c) By strengthening infrastructure resilience
 - d) By prolonging heatwave durations

5. What role do feedback loops play in exacerbating extreme weather events?
 - a) They mitigate the impacts of climate change
 - b) They reduce atmospheric temperatures
 - c) They amplify the effects of climate change
 - d) They stabilize weather patterns

