

Name _____

Nature's Fury: How Hurricanes, Tornadoes, and Thunderstorms Form

Open-Ended Response Answer Key

1. (Historical event required) Answers will vary based on the chosen historical event and region.
2. Early warning systems and accurate forecasting are crucial for saving lives and minimizing damage during extreme weather events. Advanced technology, such as Doppler radar and satellite imagery, has improved our ability to predict these events, giving people more time to prepare.
3. (Creative response) A meteorologist could engage elementary school students by using simple experiments, visuals, and stories to illustrate how hurricanes, tornadoes, and thunderstorms form. Making it interactive and age-appropriate would be key.
4. Climate change can lead to more frequent and intense extreme weather events. For example, warmer ocean waters can fuel stronger hurricanes, and changes in atmospheric conditions can affect tornado formation. Adaptation strategies may include improved infrastructure and disaster preparedness measures.

