

Name _____

Hurricane Prediction Challenge Answer Key

1. **Likely** - Warm water above 26°C and low air pressure create favorable hurricane conditions.
2. **Not likely** - Cooler water and high pressure prevent hurricane development.
3. **Likely** - Warm water and falling air pressure signal that a storm could intensify.
4. **Not likely** - Water is near the threshold, but steady pressure means little chance of development.
5. **Likely** - Very warm water, low pressure, and existing thunderstorms strongly support hurricane formation.

Challenge Question (Sample Answer):

If ocean temperatures keep rising, hurricanes may form more easily and become stronger. Warmer seas provide more energy, which can fuel intense winds and heavier rainfall. This could lead to more frequent Category 4 and 5 storms, increasing risks for coastal communities worldwide.