HURRICANE PREDICTION

ANSWER KEY

1. Designed to help researchers study and predict hurricanes, the SUSTAIN facility is located at what university in Florida?
University of Miami Rosenstiel School of Marine & Atmospheric Science

2. What does the acronym SUSTAIN stand for?
SUrge STructure Atmosphere INteraction

3. The test tank at SUSTAIN can generate winds in the facility up to _____ miles per hour.
150

4. A hurricane that has 150 miles per hour winds is classified as a category ___ storm?
   a. 1
   b. 3
   c. 5
   d. 9

5. What are some challenges that researchers encounter while trying to predict hurricanes?
Answers will vary. Hurricanes are very complex and can suddenly intensify in ways that are poorly understood, hurricanes can be large and powerful and thus difficult to study in nature.

6. Why is it so important to study hurricanes?
Answers will vary. Forecasting hurricane intensity will help communities affected by hurricanes better prepare for future storms.

BONUS

1. True or false? Hurricanes intensify in cold water.
   False

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