

Name: \_\_\_\_\_ BIK: \_\_\_\_\_

Questions - Set A

# Hurricanes

## WORKSHEET



1. Complete the chart by listing the correct category for each hurricane.

Hurricane Name	Top Wind Speed	Category
Hanna	102 mph	
Arthur	160 mph	
Fey	80 mph	
Cristobal	129 mph	

2. Explain the difference between a hurricane watch and a hurricane warning.

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3. Billy tells his teacher that his grandfather lived in the state of Florida in 1969 and survived Hurricane Michael. His teacher does not believe him. Why not? Use information from the hurricane packet to support your answer.

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# Hurricanes



- Which of these hurricanes had the strongest winds?
    - Sea Islands Hurricane, in 1893
    - Hurricane Katrina, in 2005
    - Lake Okeechobee Hurricane, in 1928
  - What does a hurricane hunter do?
    - use computers with satellite images to predict the paths of hurricanes
    - issue official watches and warnings to notify people of danger
    - fly airplanes through hurricanes
  - Which sequence of storm stages is in the correct order?
    - tropical depression, tropical disturbance, tropical storm, hurricane
    - tropical disturbance, tropical depression, tropical storm, hurricane
    - tropical storm, tropical depression, tropical disturbance, hurricane
  - What would you observe if you were in the eye of a hurricane?
    - strong, spinning winds
    - calm or very little wind
    - heavy rain, thunder, and lightning
  - What caused the most destruction during Hurricane Katrina in 2005?
    - floods due to breaking levees
    - houses being blown away
    - people going outdoors during the storm
  - In 2011, the first tropical storm will be named Arlene, then Brett, then Cindy, then Don. Which storm name might come next?
    - Eric
    - Emily
    - Olivia
  - What happens when a hurricane crosses over land?
    - it breaks apart and forms tornadoes
    - it moves more quickly
    - it loses strength
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# Hurricanes



Tell whether each statement is true or false.

- \_\_\_\_\_ 1. When a hurricane warning is issued, a hurricane will definitely hit landfall within 24 hours.
- \_\_\_\_\_ 2. From 1953 through 1978, all tropical storms were given male names.
- \_\_\_\_\_ 3. The Great Galveston Hurricane hit Florida in 1903.
- \_\_\_\_\_ 4. Hurricanes form over warm, ocean water.
- \_\_\_\_\_ 5. Hurricanes begin to lose strength when they hit land.
- \_\_\_\_\_ 6. More people were killed by Hurricane Katrina than by the Great Galveston Hurricane.
- \_\_\_\_\_ 7. Hurricanes in the Northern Hemisphere rotate counterclockwise.
- \_\_\_\_\_ 8. The center of a hurricane is called the eye.
- \_\_\_\_\_ 9. Hurricanes are given names and tropical storms are not.
- \_\_\_\_\_ 10. Category 4 hurricane has winds over 155 miles per hour.
- \_\_\_\_\_ 11. Mobile homes are a safe place to stay during a hurricane.
- \_\_\_\_\_ 12. Hurricanes were not given official names before 1953.
- \_\_\_\_\_ 13. Hurricane Katrina flooded the city of New Orleans in 2005.
- \_\_\_\_\_ 14. Scientists can make hurricanes change direction.
- \_\_\_\_\_ 15. A levee keeps ocean water away from cities.

Name: \_\_\_\_\_

Questions - Set D

# Hurricanes



Complete each statement with a word from the box at the bottom of the page. Not all words from the box will be used.

1. In the Atlantic Ocean, hurricane season runs from \_\_\_\_\_ 1<sup>st</sup> through November 30<sup>th</sup>.
2. A tropical \_\_\_\_\_ has winds between 29 and 39 miles per hour.
3. A tropical \_\_\_\_\_ has winds between 40 and 73 miles per hour.
4. In the Southern Hemisphere, hurricanes rotate \_\_\_\_\_.
5. Hurricane names are reused every \_\_\_\_\_ years.
6. Hurricane Katrina flooded the city of \_\_\_\_\_.
7. During a hurricane \_\_\_\_\_, there is a possibility that a hurricane will reach landfall.
8. During a hurricane \_\_\_\_\_, a hurricane will definitely reach landfall.
9. The National Hurricane Center is located in the city of \_\_\_\_\_.
10. If a hurricane is strong enough, citizens might be required to \_\_\_\_\_, or leave their homes.

## Word Box

four	June	Louisiana	Miami	clockwise	disturbance
ten	May	New York	Florida	counterclockwise	depression
six	April	New Orleans	storm	evacuate	tornado
watch	warning	satellite	weather	category	eye

Name: \_\_\_\_\_

Questions - Set E

# Hurricanes



Match each vocabulary word on the left, to its definition on the right.

1. \_\_\_\_\_ levee
  2. \_\_\_\_\_ hurricane hunter
  3. \_\_\_\_\_ equator
  4. \_\_\_\_\_ tropical depression
  5. \_\_\_\_\_ tropical storm
  6. \_\_\_\_\_ hurricane
  7. \_\_\_\_\_ dissipate
  8. \_\_\_\_\_ coastline
  9. \_\_\_\_\_ evacuate
  10. \_\_\_\_\_ tornado
- a. area where the ocean meets the shore
  - b. to be forced to leave a home because of danger
  - c. a wall or embankment that holds ocean water away from a city
  - d. a pilot who flies airplanes through hurricanes to measure the wind speed
  - e. an area of swirling thunderstorms over the ocean with wind speeds between 23 and 39 miles per hour
  - f. an area of thunderstorms over the ocean with wind speeds between 40 and 73 miles per hour
  - g. a giant wind and rain storm that forms over warm water with winds between 74 and 155 miles per hour
  - h. an imaginary line around the center of the Earth
  - i. a spinning storm that is less than one mile wide, with swirling winds that can reach over 300 miles per hour
  - j. to break apart and reduce in strength