

Hurricane WebQuest

Name: _____

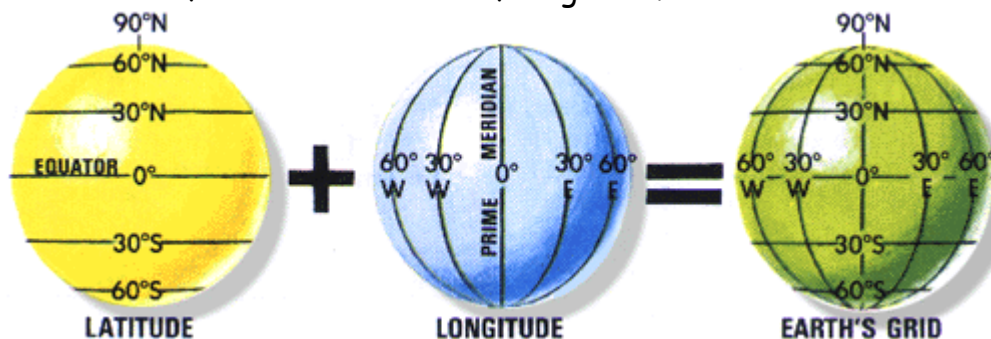
Hurricanes are large and powerful storm systems. Could a hurricane actually hit us here in Hunterdon County? How can we observe the path of the hurricane? If a hurricane could reach us, what should we do to protect ourselves? To answer these questions and others we will have to do some research.

What makes a storm a hurricane? _____

How big can a hurricane storm system get? View the following images and compare the size of the storm system to the land boundaries outlined on the satellite image of the storm. Think about how the sizes compare to the state of Montana. [Image #1 - Hurricane Katrina](#); [Image#2 - various hurricanes, scroll down and note the outline of land under the storm](#) ; [Image#3- Hurricane Andrew on global image for scale](#); [Image#4 - Andrew superimposed](#) ; Image #6 - [Map of US](#) (Think of the size of MT compared to the State of Florida)

After viewing these images, what is your impression? Explain your answer.

To track a hurricane's path we will need to know how to plot latitude and longitude. Using the diagram describe lines of latitude and lines of longitude.



Latitude - _____

Longitude - _____

To plot a point you must have two coordinates, one of latitude (north or south) and one of longitude (east or west).

Practice plotting latitude and longitude by playing the on-line game [Treasure Hunt: Longitude and Latitude](#).

When you look at the [tracking maps of past hurricanes](#), did the majority of the storms start? Were they in random places around the Atlantic Ocean or did they start in a smaller area? If so, geographically describe that area?

[When is hurricane season?](#) (click on the 'H') _____

[How do meteorologists know one storm from another especially if two are occurring at once?](#)

[Is there a pattern to their system?](#) _____

If the current storm starts with an 'H' what are the next five storms for this year? _____

[When does a storm get a name?](#)

Hint: read the third paragraph

[When does a storm become a hurricane?](#) _____

[What is a hurricane watch?](#) _____

[What is a hurricane warning?](#) _____

Which one is more serious and why? _____

In the space below, draw and color the flags used to symbolize '[Hurricane Warning](#)'.

If a hurricane was likely to strike what should people do to [prepare](#) themselves?

continue

Are all hurricanes alike or do they vary in size and intensity? [How do meteorologists compare different storms?](#) Complete the Saffir-Simpson Scale in the table below.

Saffir - Simpson Scale

Scale	Wind Speed	Damage

View the hurricane [intensity visualization](#), pause at each new category and read the description of damage likely to occur.