



# H is for Hurricanes

BY: ANNA GAGE & RYLAN WIGGINS

## A is for Alert

A is for Alert. People who live where hurricanes happen usually get an **alert** on their phones when a hurricane is near. Sometimes the weather channel says to **evacuate** and go to a different state. When the Meteorologists send out the alert, that is when you should be prepared.

If you get an alert on your phone...

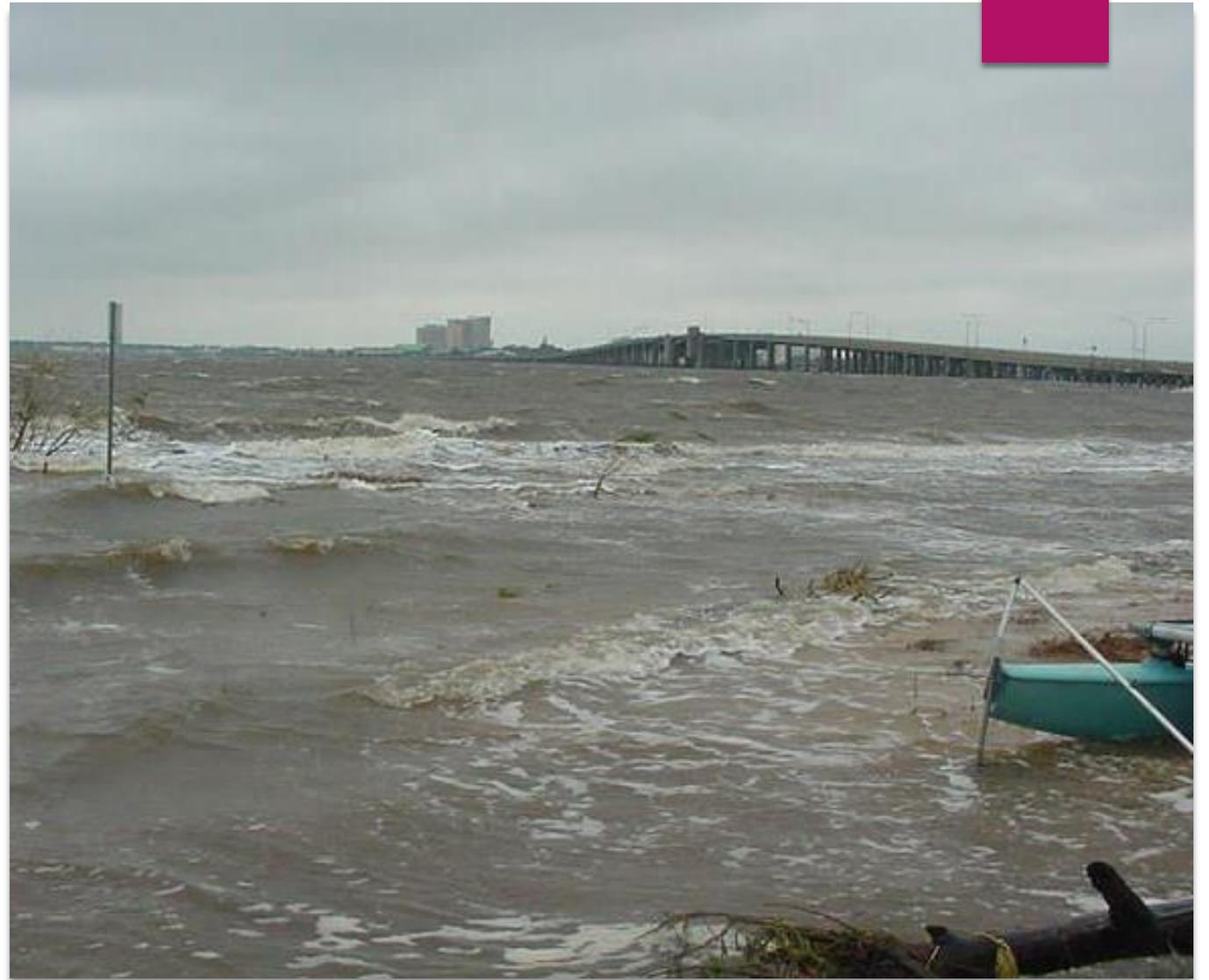
Leave your town

Go to a safe place, far away from the hurricane

Make sure you have a big supply of food and water

# B is for Beach

B is for beach. Hurricanes start in the ocean and many times hit beaches. Some just go back out to sea without damaging anything. If you live on the coast or at the beach, you would want to put wood on your windows to protect it. Also, it is good to put sandbags under your door so that the water does not go in.



# C is for Caribbean

C is for Caribbean. Lots of hurricanes pass through the Caribbean. Hurricanes tear the little islands up. Most of the islands that go through hurricanes don't get washed away. People are not allowed to go on the beach during hurricanes.



These girls had to leave the beach because it got closed.

# D is for Damage

D is for Damage. Lots of things get damaged during a hurricane such as homes, schools, tall buildings, and so much more. Each year around the world, hurricanes do billions of dollars of damage. The most damaging US hurricane that ever happened was Hurricane Katrina.



## E is for the Eye of the hurricane

E is for Eye of the hurricane. The eye of the storm is the calmest part of the hurricane; it has bright blue skies. Outside of the eye is terrible. There are strong winds and big thunderstorms.



# F is for Flood

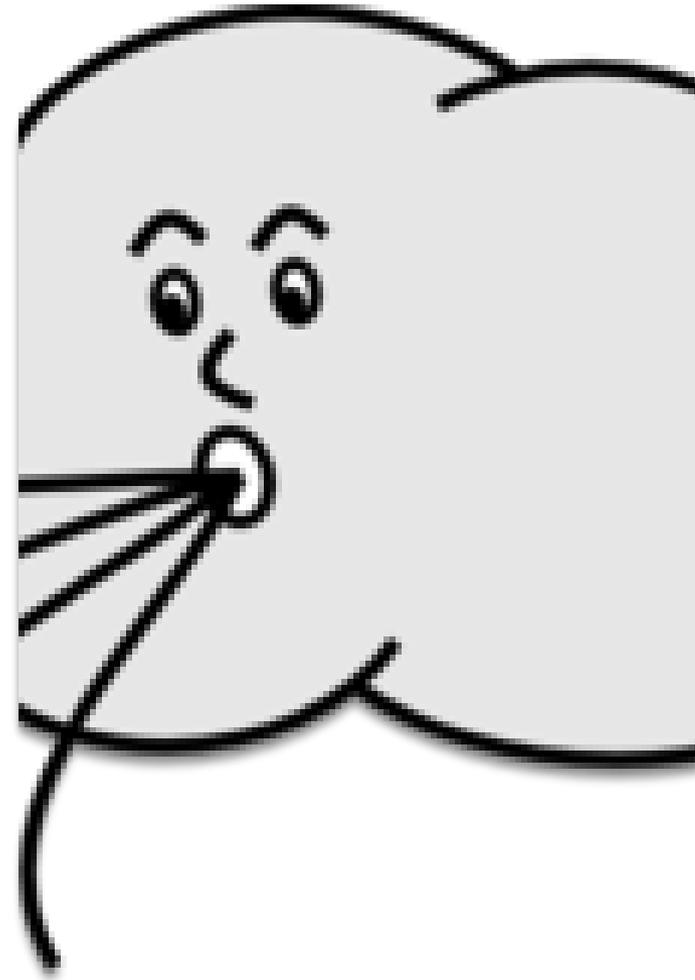
F is for Flood. Flowing water comes from the hurricane and sometimes floods cities or towns. A Category 5 hurricane would probably make the city flood and knock buildings over! People build **levees** and **floodwalls**, which help hold back water. Floods can be very dangerous and problematic.

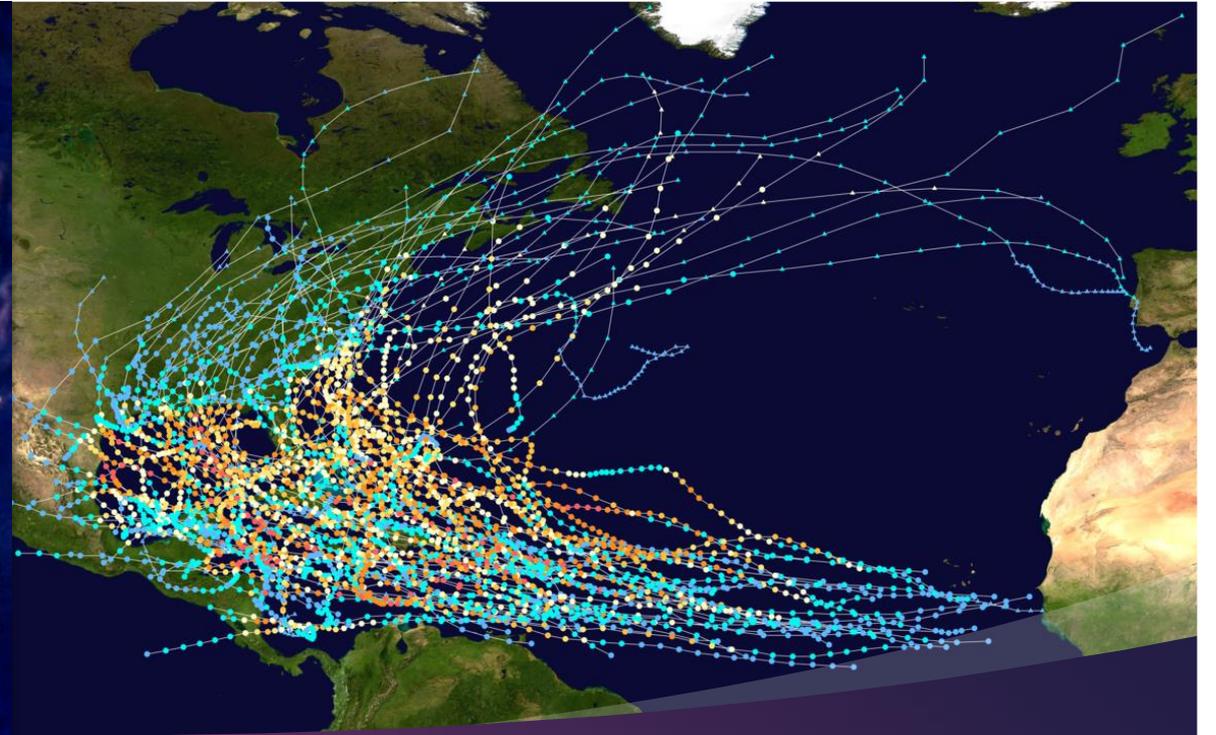
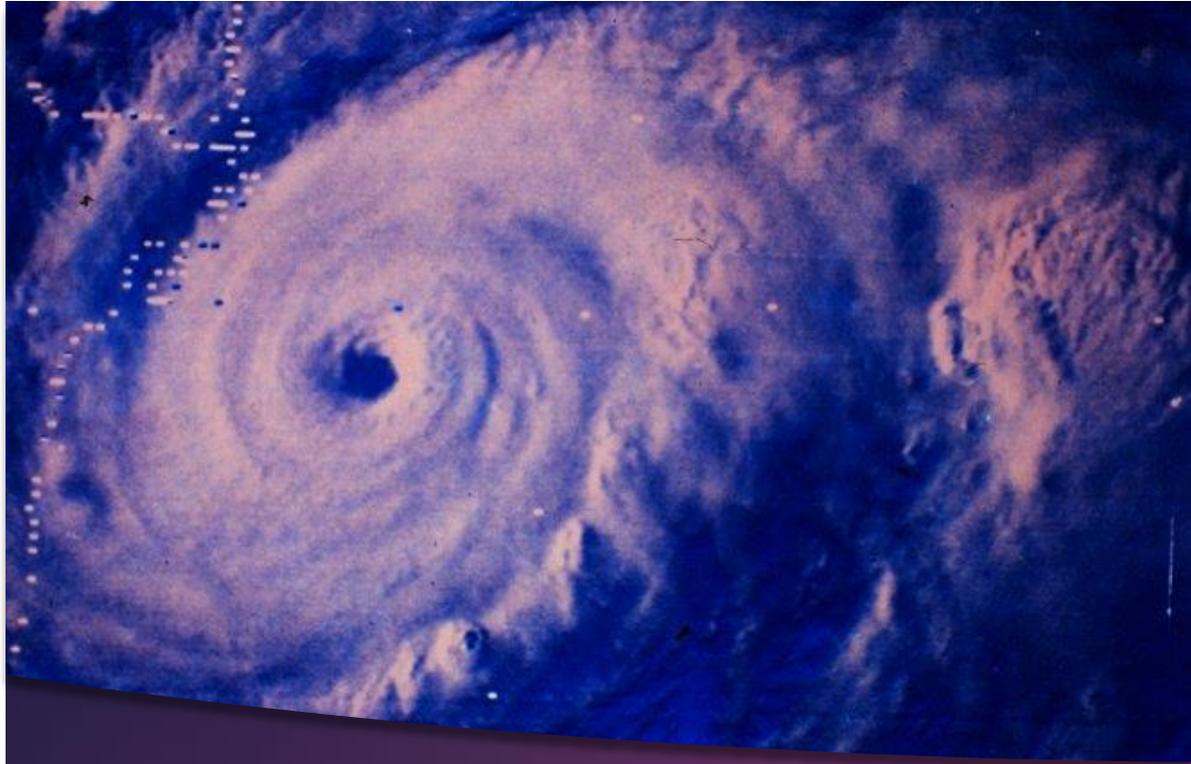


Flood waters can destroy homes and cause lots of damage.

# G is for Gusts

G is for  
Gusts. Hurricane  
**Gusts** of wind are  
strong! The gusts of  
wind can get up to  
196 miles per hour.  
That is so, so fast and  
powerful. The gusts  
must be 70 mph or  
more to be a  
hurricane.





# H is for Hurricanes

H is for Hurricanes. A Hurricane forms when storm clouds form over the ocean. The wind makes the clouds spin. The clouds form an eye. Then, more clouds swirl into the eye, creating a hurricane.

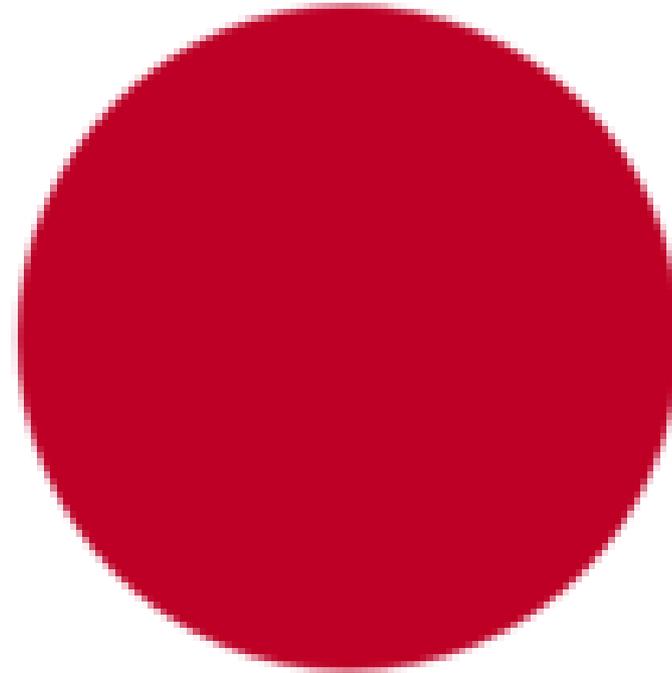
# I is for Injury

I is for Injury. If a hurricane is a Category 5 it can do a lot of damage and can kill thousands of people. It can also break some of their bones, and much more. If you go outside in the wind, it can sometimes blow you over and you can get really hurt. If you do not evacuate you can get stuck inside with water on the floor and you can drown.



# J is for Japan

J is for Japan. In Japan, there are hurricanes except they call them Typhoons! They are very bad like hurricanes. Typhoons are generally stronger than hurricanes. They happen about 30 times per year.



This is Japan's bright red flag.



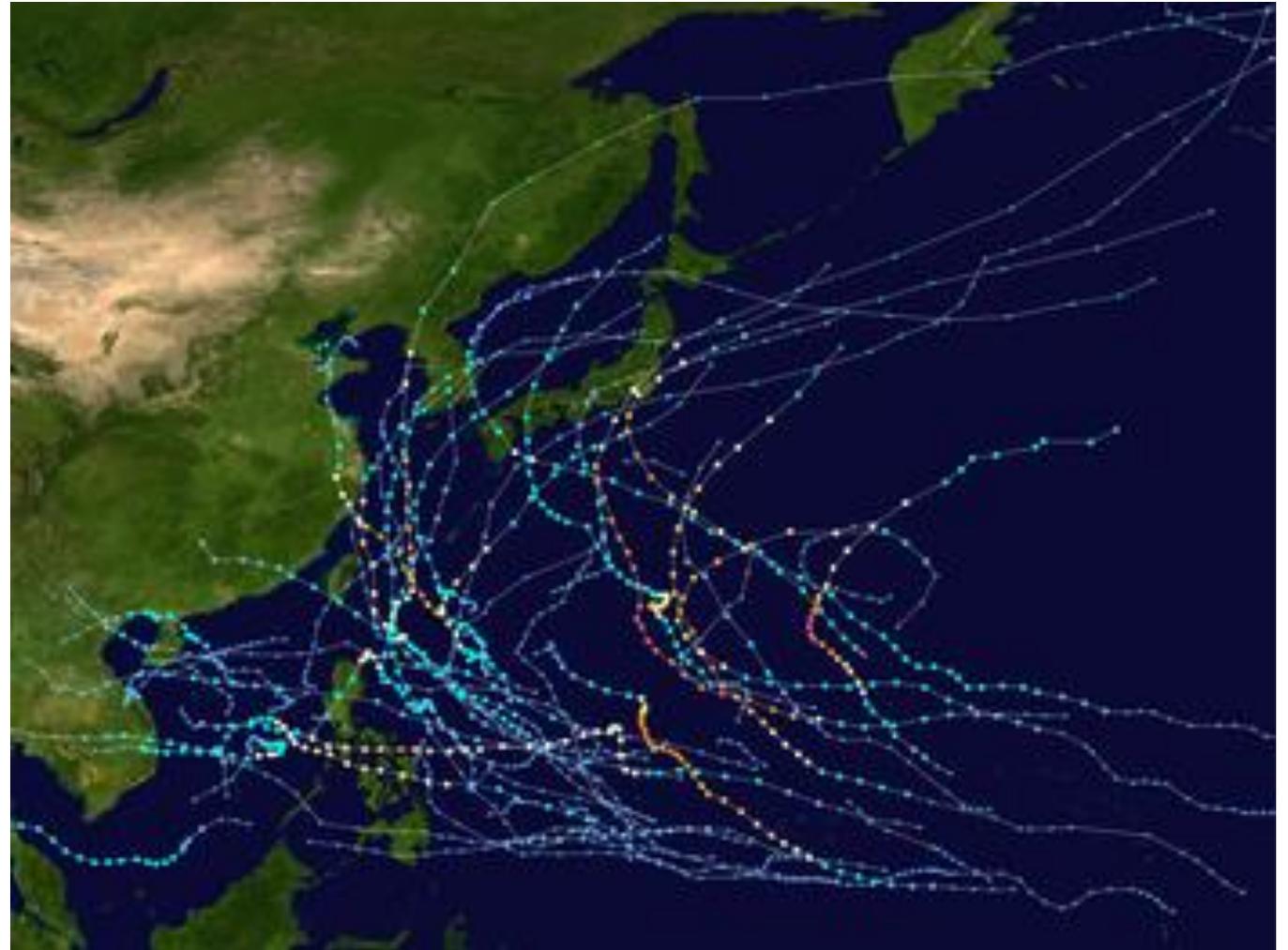
# K is for Katrina

K is for Katrina. Hurricane Katrina was one of the deadliest hurricanes to hit the US. Hurricane Katrina made landfall on August 23, 2005 in New Orleans, Louisiana. Katrina was a Category 3 hurricane when it hit. 1,833 people died because of Hurricane Katrina.

# L is for Lots

L is for Lots. Lots of hurricanes happen in the world. Most of them happen in Japan or the coast of the United States. There is an average of 6 hurricanes per year. Lots of hurricanes do a lot of damage, some barely do any

Hurricane season is in the fall. Hurricanes typically pour 6 inches of rain.



# M is for Maria

M is for Maria. Maria was a deadly category 5 hurricane. It had a top wind speed at 175 mph. It devastated Puerto Rico and The Dominican Republic. It happened September 16th, 2017.



# N is for Name

N is for Name. **Meteorologists** have decided over the years to name hurricanes so that they can keep track of them if there is more than 1. If there is a life changing hurricane then they can remember it by the naming it. Hurricanes use to be just girl names but now they are boy and girl names and go in the alphabetic order. Naming hurricanes can be easy, but they never use the same name twice.

## The WORST Hurricanes

Hurricane  
Andrew  
happened in  
1992

Hurricane  
Hugo  
happened in  
1989

Hurricane  
Katrina  
happened in  
2005 and was  
one of the  
worst  
hurricanes  
ever

# O is for One-to-Five

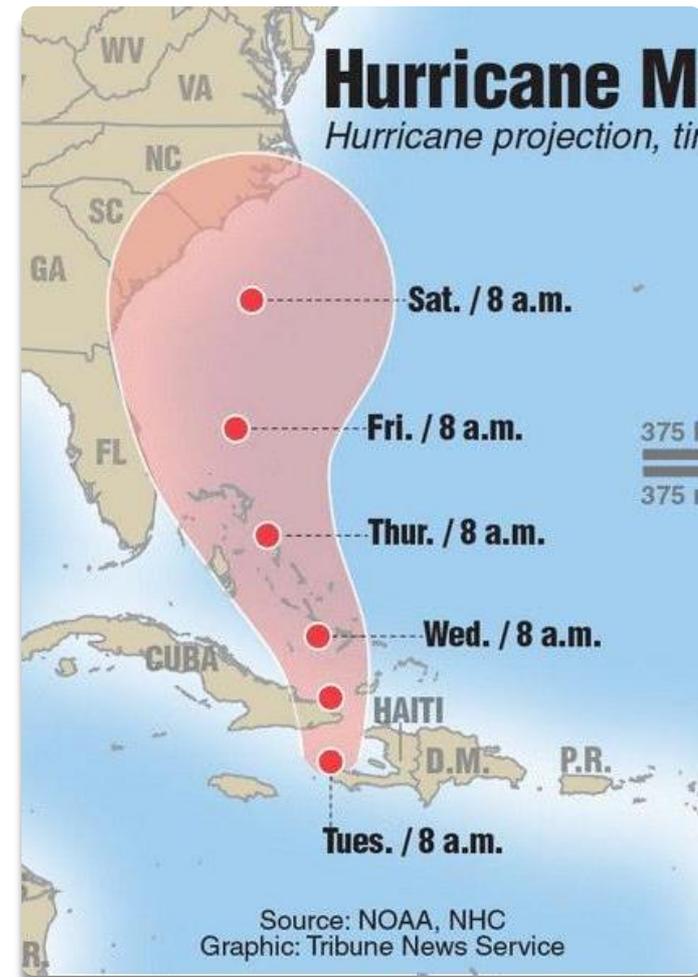
O is for One-To-Five. One to five is the scale to rate the hurricane. The category 1 is not that bad, but a category 5 is the worst possible hurricane category. It is important to leave your town if it is a category 5. A category 5 can tear your whole house down.

HURRICANE RATINGS		
Category	Wind Speed	Types of Damage
1	74-95 miles per hour (mph)	Some damage to roofs of homes; some fallen tree branches; damage to many power lines
2	96-110 mph	Major damage to roofs and sides of homes; fallen trees blocking roads; major loss of power
3	111-129 mph	Major damage to roofs and walls; mobile homes destroyed; loss of power for days or weeks
4	130-156 mph	Collapsed roofs on many homes; flooding forces some people to evacuate areas near water
5	157 mph or higher	Many homes destroyed; most areas are evacuated; severe flood damage to buildings near water

SOURCE: NOAA/NATIONAL WEATHER SERVICE

# P is for Path

P is for Path. Most all hurricanes do not go in a direct path. Sometimes they do go in direct paths, however. Meteorologists do not know exactly where they are going to hit, so they make lots of paths that the hurricane could go in. These paths are in different colors.





## Q is for Quake

Q is for Quake. Sometimes after a hurricane happens a quake comes. The earthquake is not always a big one, but some earthquakes can do even more damage than a hurricane. Sometimes you can't even feel the quake, and nothing really happens. When the quake comes it adds more damage to the hurricane's damage.

# R is for Rain

R is for Rain. During hurricanes, if you look outside, there is a ton of rain. That makes the ground slippery and wet. It also makes the ocean water rise and the waves get bigger. The average rainfall is 16 inches during a hurricane.

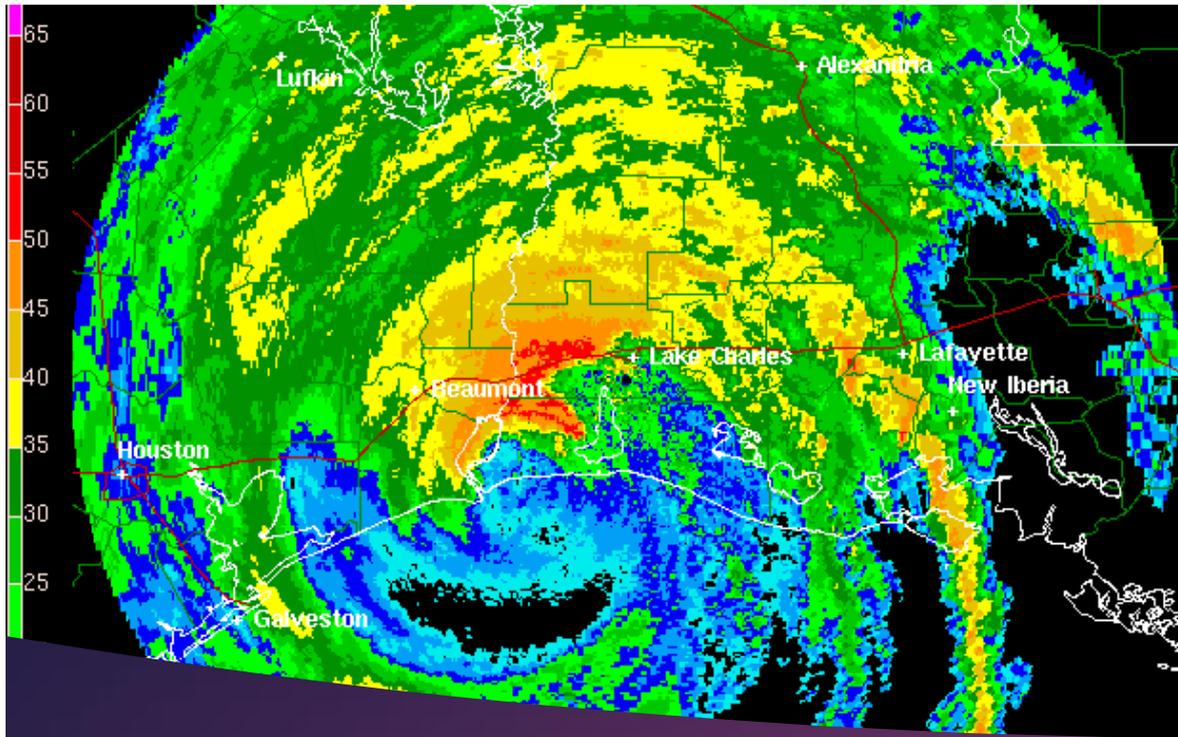
Did You Know There is always going to be rain when there is a hurricane. Hurricanes are basically a big storm of water and thunderstorms and can bring tornados with the wind.



# S is for Strong

S is for Strong.  
Hurricanes are very strong and can knock down a lot of big buildings. They can destroy trees, bushes, houses and much more. Hurricane Wilma is the strongest hurricane ever. Wilma happened October 16, 2005.



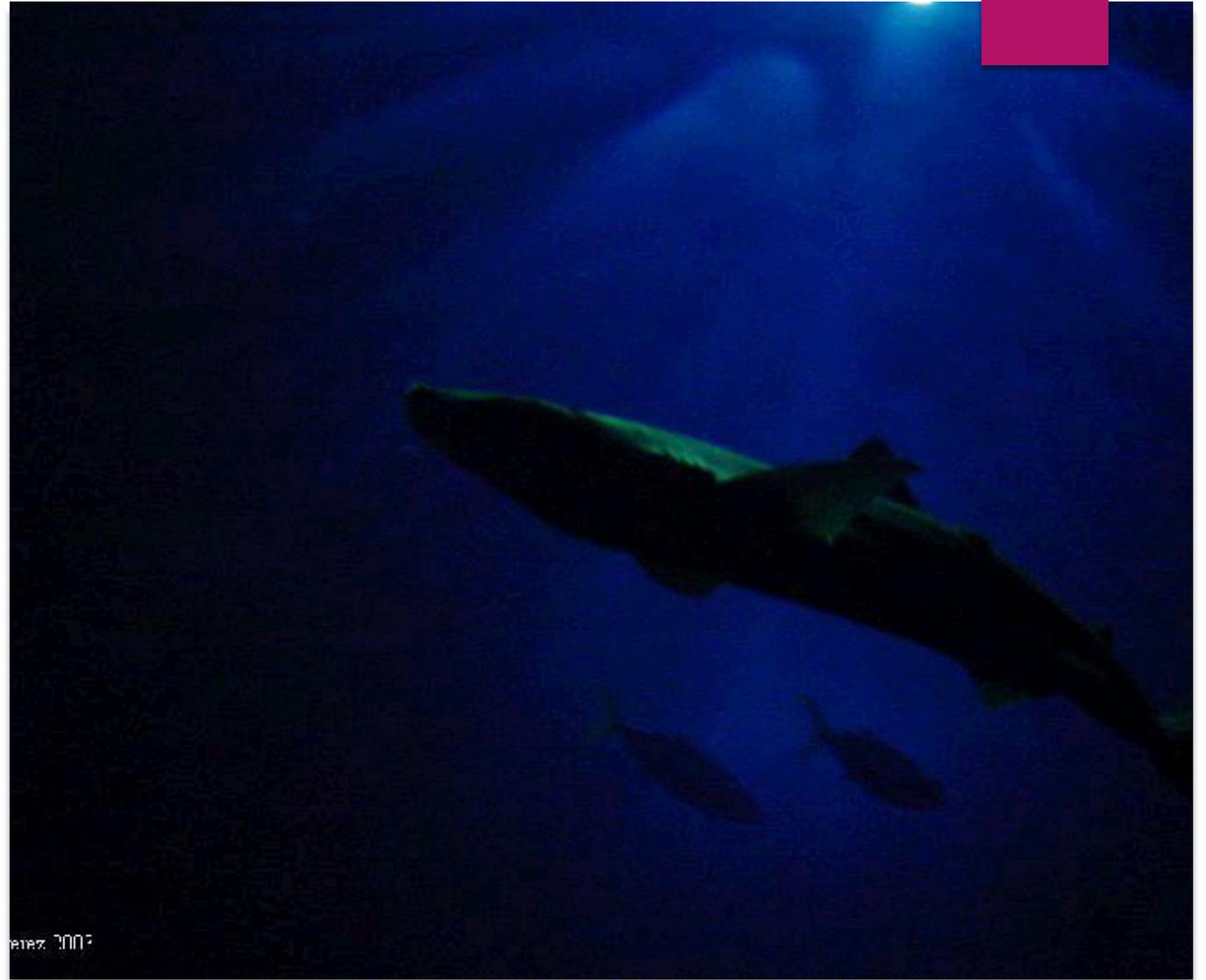


# T is for Thunderstorms

T is for Thunderstorms. Thunderstorms happen a lot in hurricanes. Sometimes if the hurricane is a big one, there can be many thunderstorms inside. Even after the hurricane is over, there could still be a bad thunderstorm. Thunderstorms can be quick, or they can be several hours long.

# U is for Underwater

U is for Underwater. Hurricanes start underwater and then swirl up and go with the clouds. Most sea creatures do not die because they have a killer instinct when a hurricane is near. Hurricanes have rough undercurrents and moving sand which can harm sea life. During a hurricane, the water temperature is normally around 79 degrees Fahrenheit.



# V is for Violent

- V is for Violent. Hurricanes are very big, strong storms, that can kill a lot of animals and human beings. Some of the most violent hurricanes are The Great Galveston **Storm** (1900), **Hurricane** Maria (2017), The Okeechobee **Hurricane** (1928), **Hurricane** Katrina (2005), and The Chenière Caminada **Hurricane** (1893). Hurricanes have strong winds and have storm surges. If you look on the radar there is lots of rain.



# W is for Wind

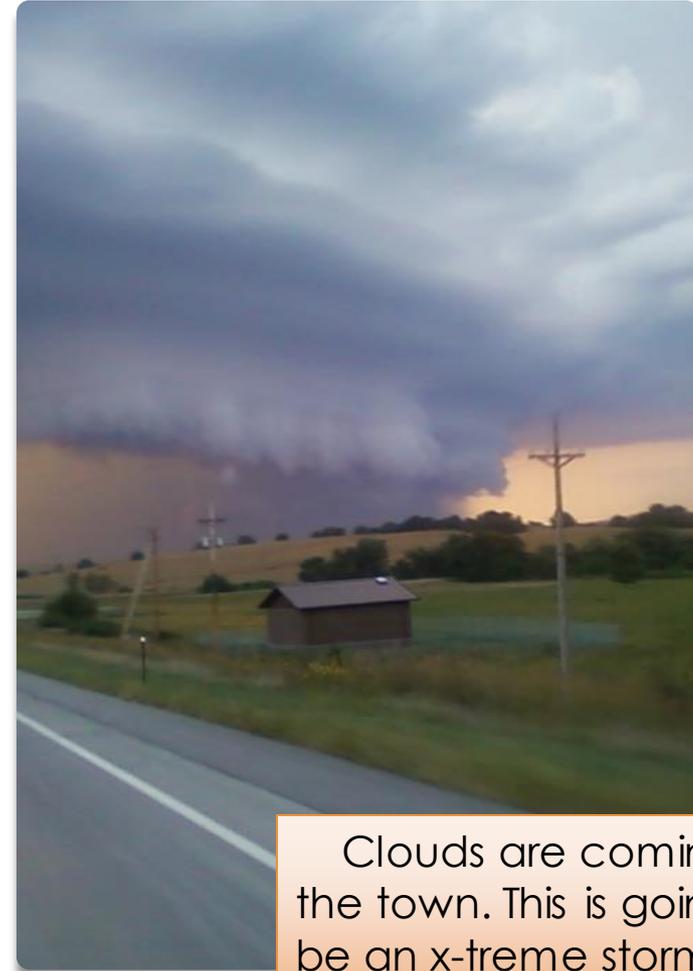
W is for Wind. Lots of wind happens during a hurricane. The wind must be 70 miles per hour to be considered a hurricane. Hurricane Allan was 190 mph. Hurricane Patricia had the highest speed at 215 mph.



h of the three fiberglass blades on a turbine is 16.  
one tonne.

# X is for X-treme

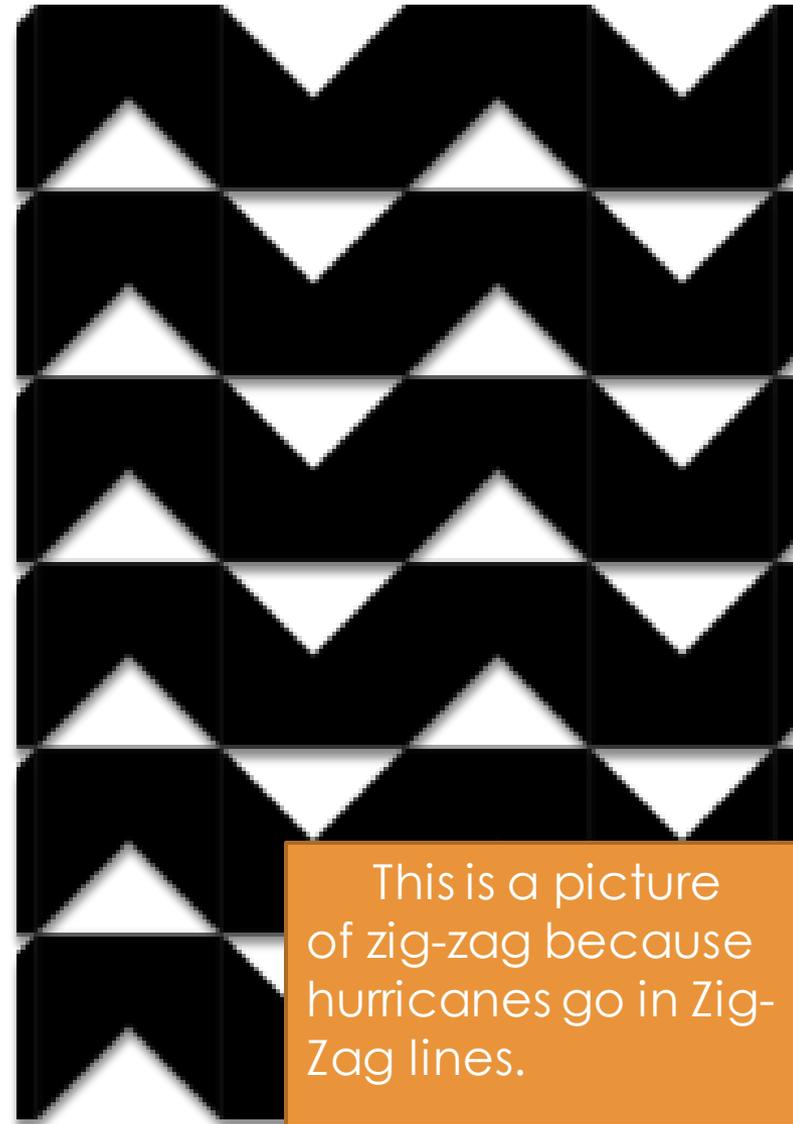
X is for X-treme. Hurricanes can be very big, very small, and even a medium size, but they can be worse. They can wash up a whole city and sometimes even a state! Hurricanes can sometimes wash out two states. Hurricane Andrew was one of five hurricanes to hit the USA, and it was not pretty.+



Clouds are coming into the town. This is going to be an x-treme storm or hurricane.

# Z is for Zig-Zag

Z is for Zig-Zag.  
Hurricanes can go in any pattern. They do not usually hurricanes go in a zig zag around the ocean. Hurricanes can go in in any path at any time. Hurricanes like never go in a straight path.



This is a picture of zig-zag because hurricanes go in Zig-Zag lines.

# Glossary

- ▶ Alert- an alert is a warning
- ▶ Evacuate- when you evacuate, you leave a city, town, or state
- ▶ Levees- a build to prevent overflow on a river
- ▶ Floodwalls- helps contain water when there is too much
- ▶ Meteorologist- help people get to safety and warn people about a hurricanes
- ▶ Coast- another word for beach
- ▶ Existing- still living, not extinct
- ▶ Category 5- the strongest category out of the 5 categories
- ▶ Gusts- a huge glob of wind

# Photo Credits



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# Bibliography

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- ▶ Hurricanes By: Mari Schuh
- ▶ Hurricanes By: Seymour Simon
- ▶ Hurricanes By: Patricia Lauber

The End

