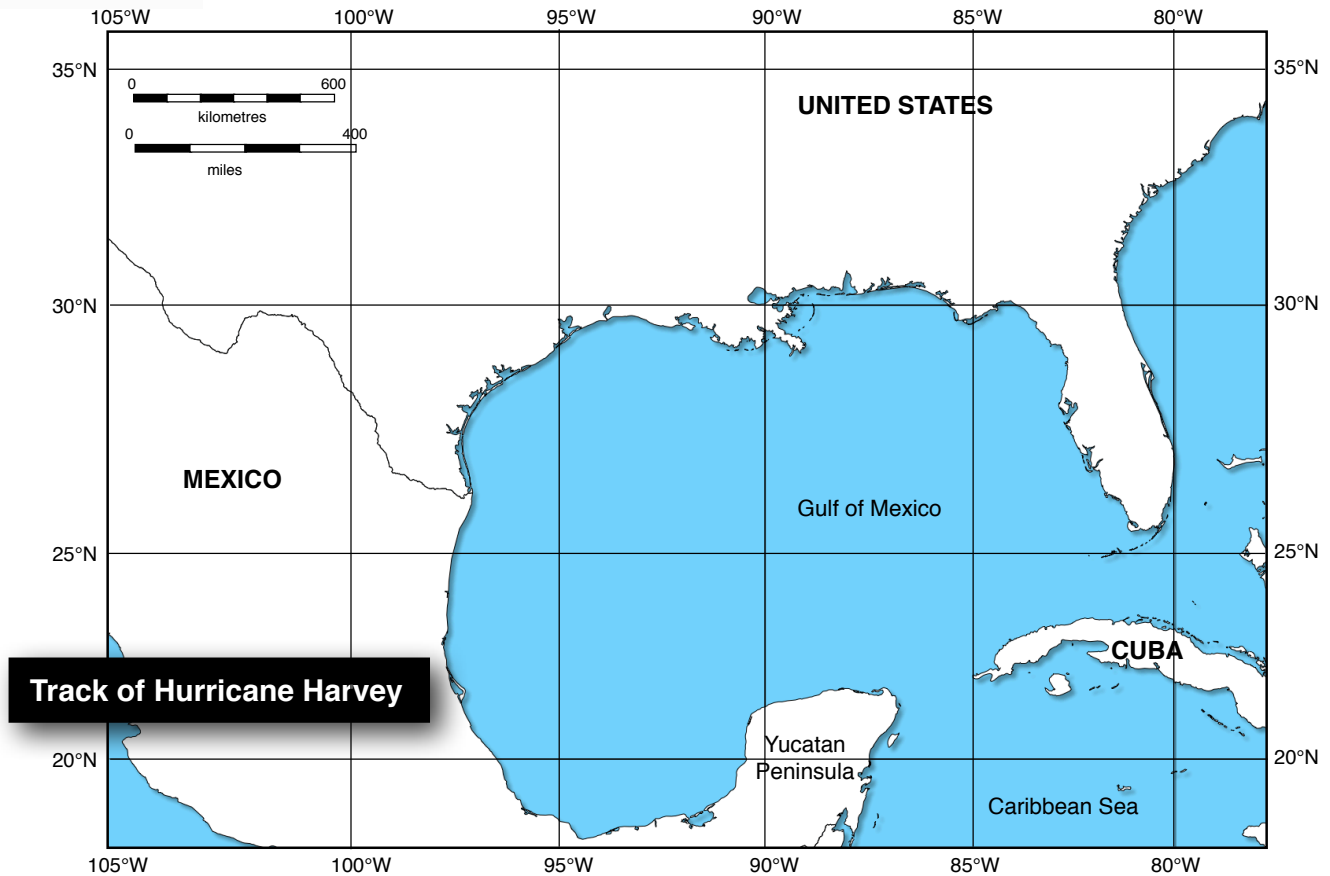


INVESTIGATING Hurricane Harvey

Gulf of Mexico August 2017



GEOGRAPHIC SKILLS TASK

1. Mark each of the co-ordinates on the map making an appropriate annotation at each point for the designation of the storm, then, join the points with a solid line showing the track of Hurricane Harvey.

DATE	LAT.	LONG.	WIND SPEED	AIR PRESSURE	DESIGNATION
Aug 24 am	21.6°N	93°W	35 mph (56kph)	1005 mb (hPa)	Tropical Depression
Aug 24 pm	23.2°N	92.8°W	45 mph (72kph)	995 mb (hPa)	Tropical Storm
Aug 25 am	24.7°N	93.9°W	85 mph (138kph)	976 mb (hPa)	Hurricane Category 1
Aug 25 pm	25.9°N	95.4°W	105 mph (170kph)	967 mb (hPa)	Hurricane Category 2
Aug 26 am	27.5°N	96.5°W	125 mph (201kph)	941 mb (hPa)	Hurricane Category 3
Aug 26 pm	28.1°N	97.0°W	130 mph (210kph)	940 mb (hPa)	Hurricane Category 4
Aug 27 am	29.1°N	97.6°W	70 mph (113kph)	987 mb (hPa)	Tropical Storm
Aug 27 pm	29.0°N	97.4°W	40 mph (64kph)	1000 mb (hPa)	Tropical Storm



INTERNET RESEARCH TASK

Use the following website to write **brief** notes on hurricanes in general -

<http://www.weatherwizkids.com/weather-hurricane.htm>



*Note: **Hurricanes** are also known as **typhoons** in Asia and **tropical cyclones** in Australia/Oceania.*

2. What are hurricanes?.....
.....
.....

Air spirals into the centre of a hurricane in which direction -
in the northern hemisphere?
in the southern hemisphere?

What is the "eye" of a hurricane?.....

Where do hurricanes generally form?

Where do they get their energy from?

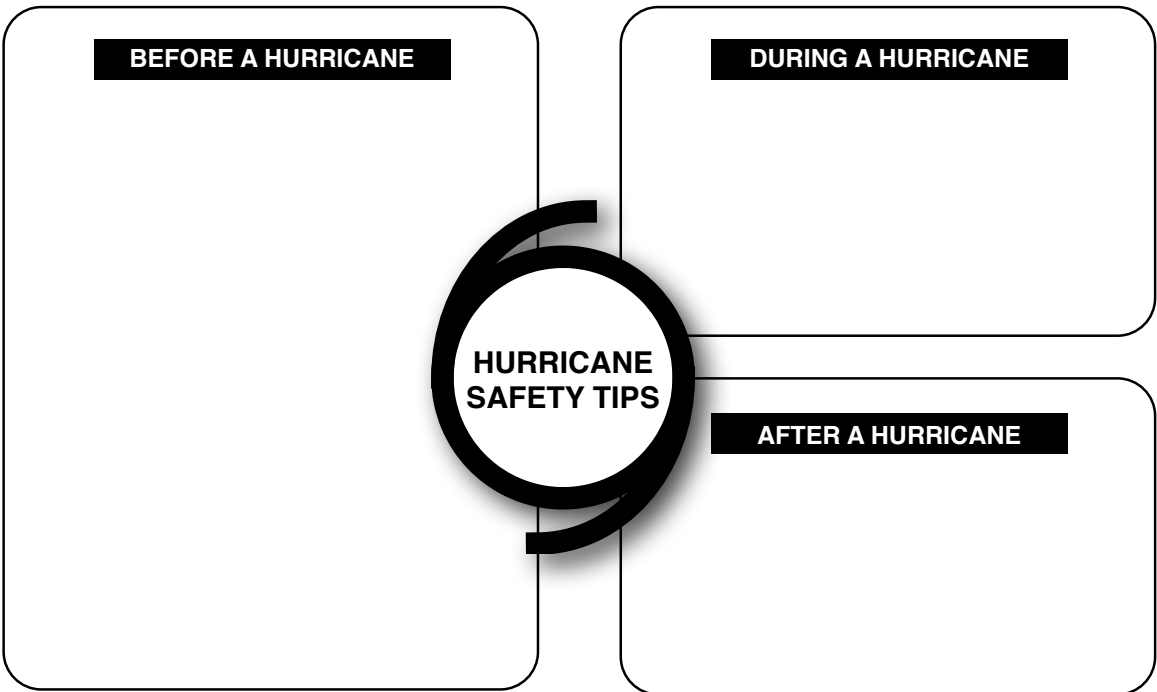
What are storm surges and how are they generated by hurricanes?

.....
.....
.....

Describe the other two ways in which hurricanes cause damage.

.....

3. Use the same website to compile a list of safety tips you should follow if your town/city is threatened by a hurricane.



4. Where did Hurricane Harvey form?

Hurricane Harvey was a **Category 4 storm** by the time it made landfall at Rockport.
Hurricanes are categorized according to the Saffir-Simpson Hurricane Scale - this can be seen at:

<http://www.nhc.noaa.gov/aboutshws.php>

Describe the characteristics of Hurricane Harvey by the time it made landfall.

.....
.....

5. **MEDIA RESEARCH** - from a range of media sources, in brief note form, describe the **impact of Hurricane Harvey** on the areas indicated on the map below -



HOUSTON

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.....
.....



ROCKPORT

.....
.....
.....



CORPUS CHRISTI

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.....
.....

OTHER AREAS?

.....
.....
.....

6. After making landfall Hurricane Harvey caused widespread flooding, particularly in and around the city of Houston. Why did this severe flooding occur?

.....
.....
.....

Check out the rainfall map at this website:

<https://qz.com/1063945/hurricane-harveys-rainfall-was-so-heavy-the-us-national-weather-service-added-new-colors-to-its-maps/>