

Natural Disasters

EARTHQUAKES



By Doris

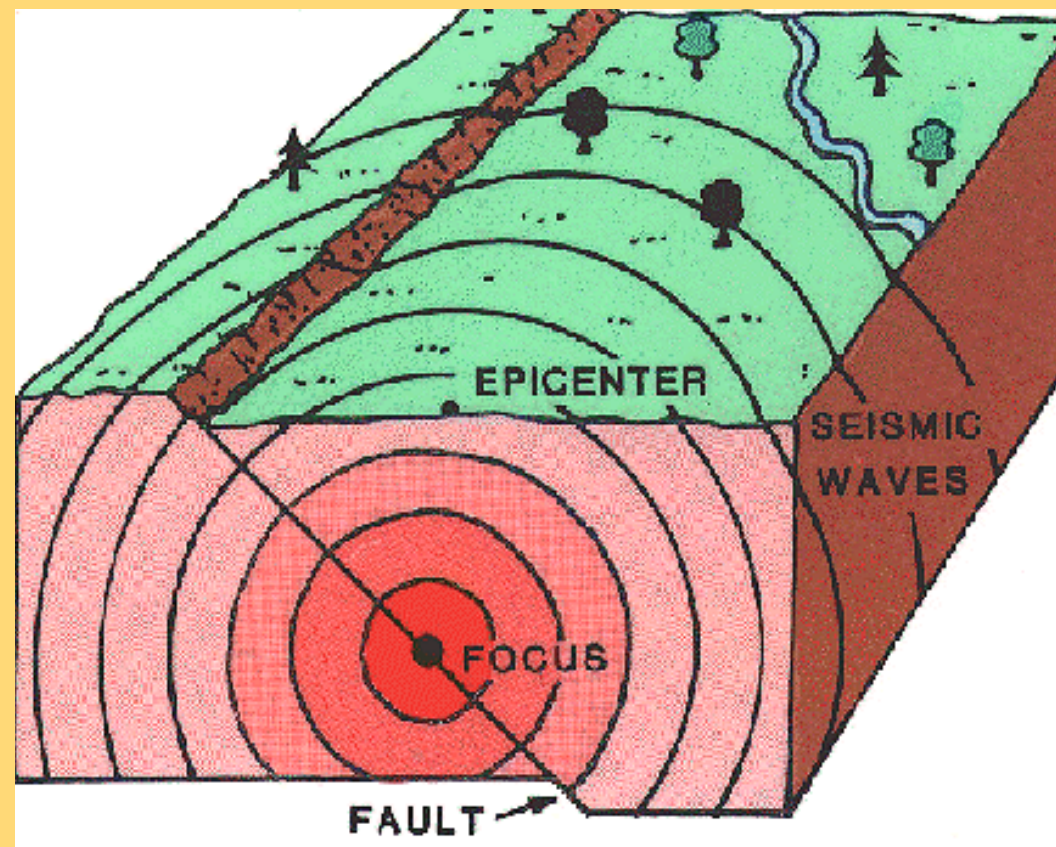
What is an earthquake?

An earthquake is a natural event inside the Earth which releases built-up energy. Earthquakes release energy and create seismic waves, which cause the shaking we feel.



How do earthquakes happen???

Earthquakes are usually caused when rock underground suddenly breaks along a fault. This sudden release of energy causes the seismic waves that make the ground shake.

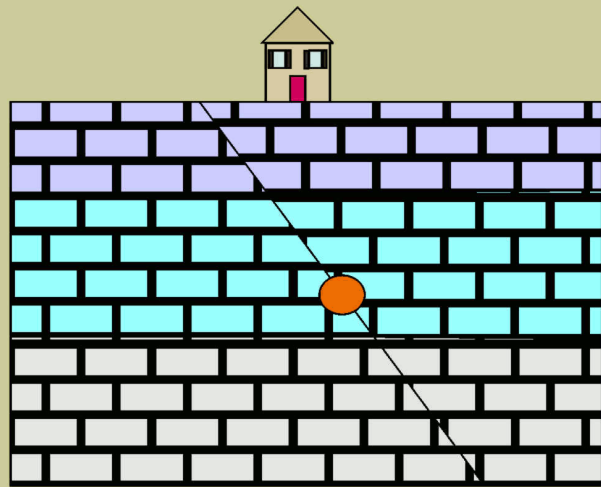


Earthquakes

In the past 24 hours, there have been 25 earthquakes around the world. Many of them are of low strength but at least nine were a 4.5 or stronger.



What damage do earthquakes cause?



1. Ground Rupture



2. Landslides

3. Tsunamis 🌊

4. Fires 🔥





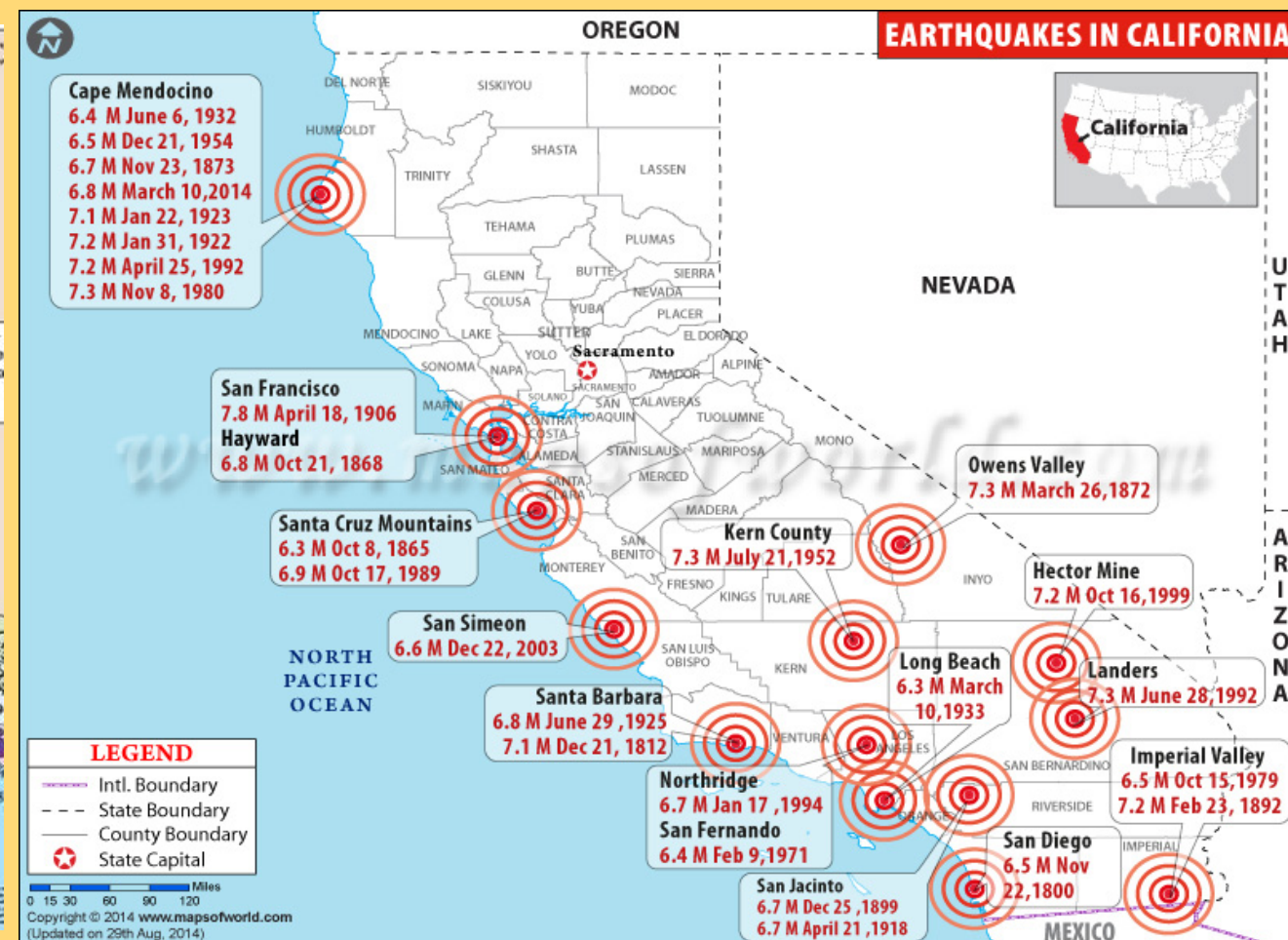
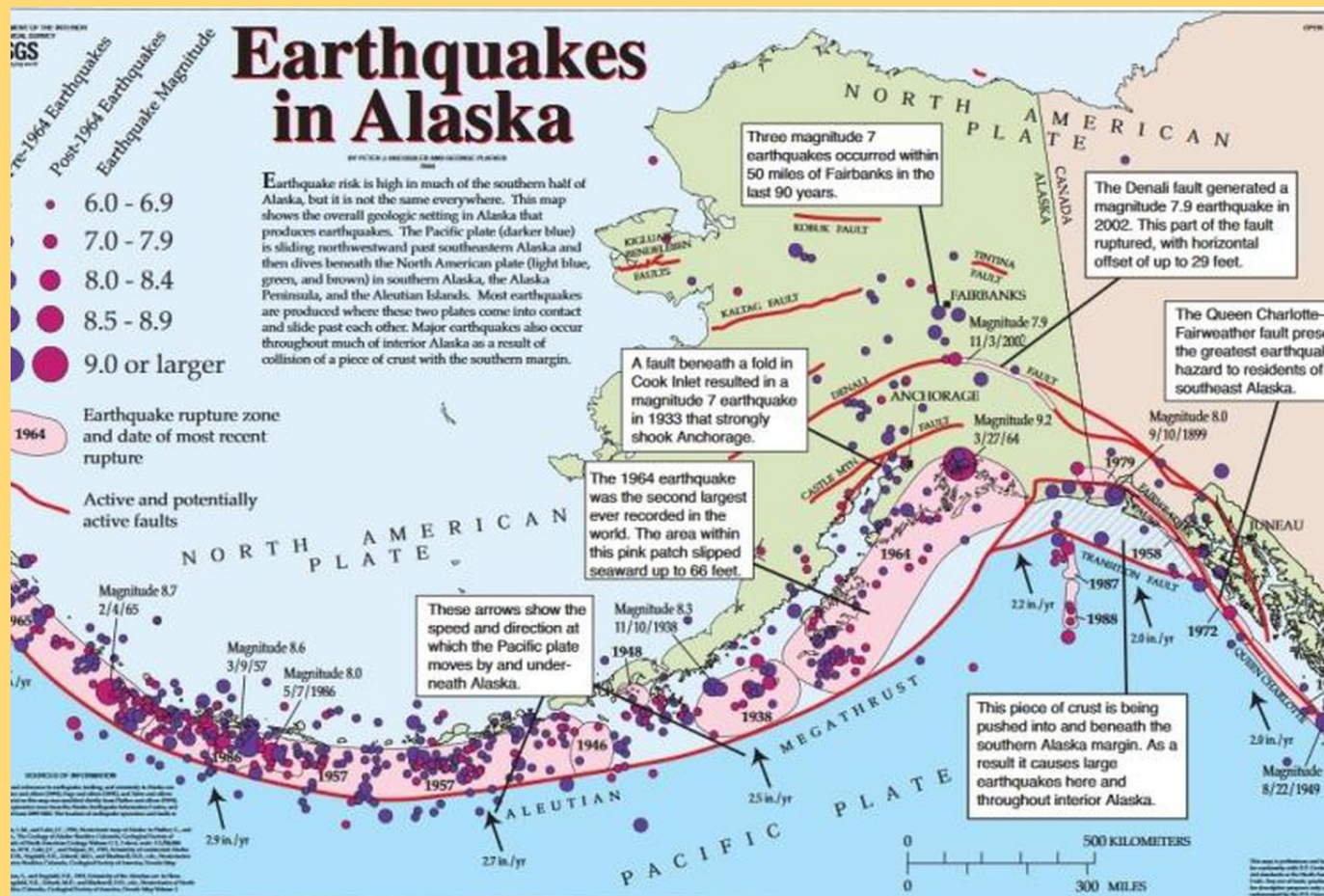
HOW DO EARTHQUAKES STOP?

Earthquakes stop when there isn't enough energy to keep them going.



Which country has the most earthquakes?

The USA has lots of earthquakes. California has the most damaging earthquakes, and Alaska and California have the most natural earthquakes.



Where was the biggest ever earthquake?



The 1960 earthquake in Chile of 22 May is the most powerful earthquake ever recorded. Studies have placed it at 9.4–9.6 on the scale.

How to survive an earthquake?

1. Drop to the ground
2. Take cover by getting under a sturdy desk or table
3. Hold on to it until the shaking stops.

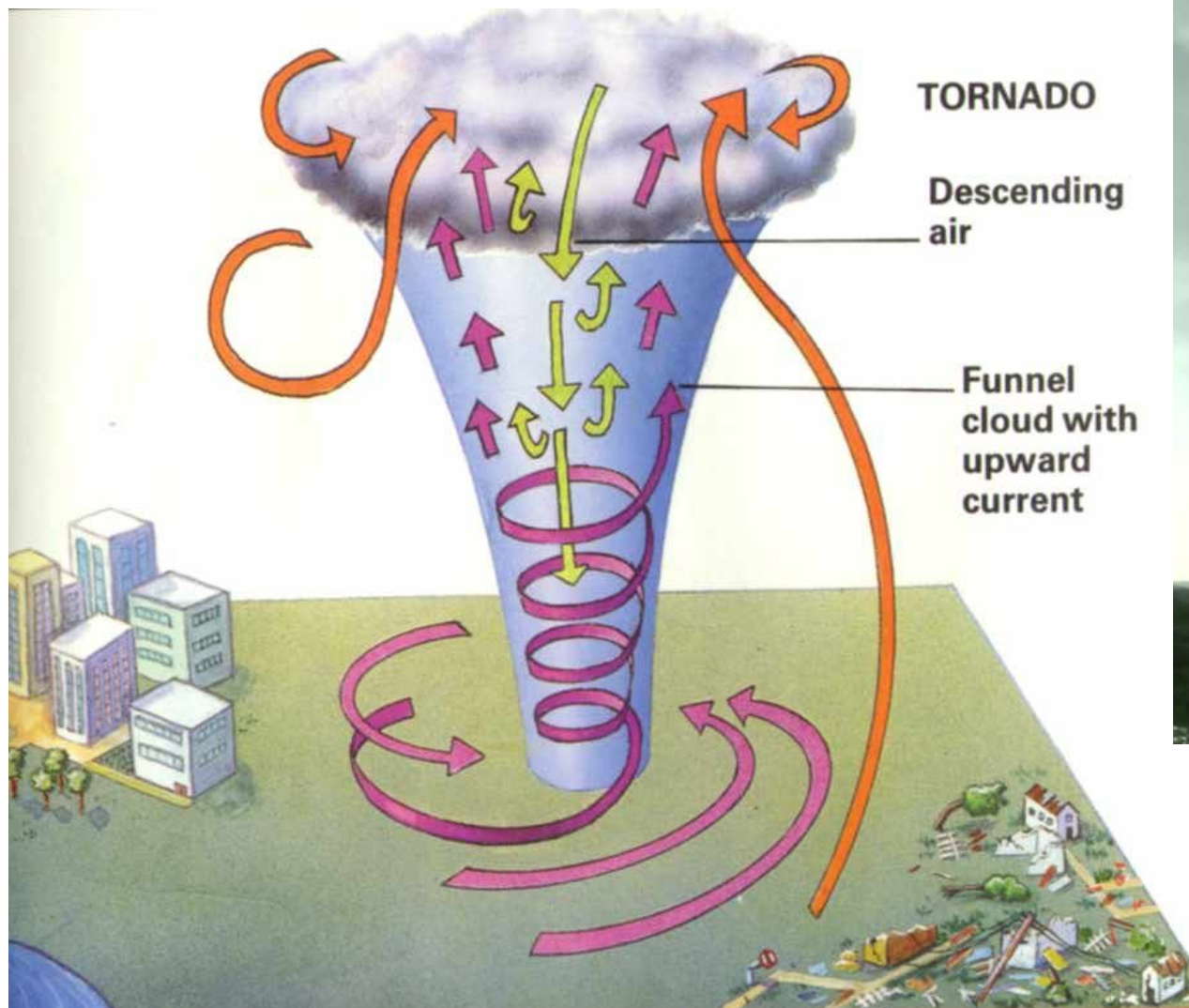


Tornadoes



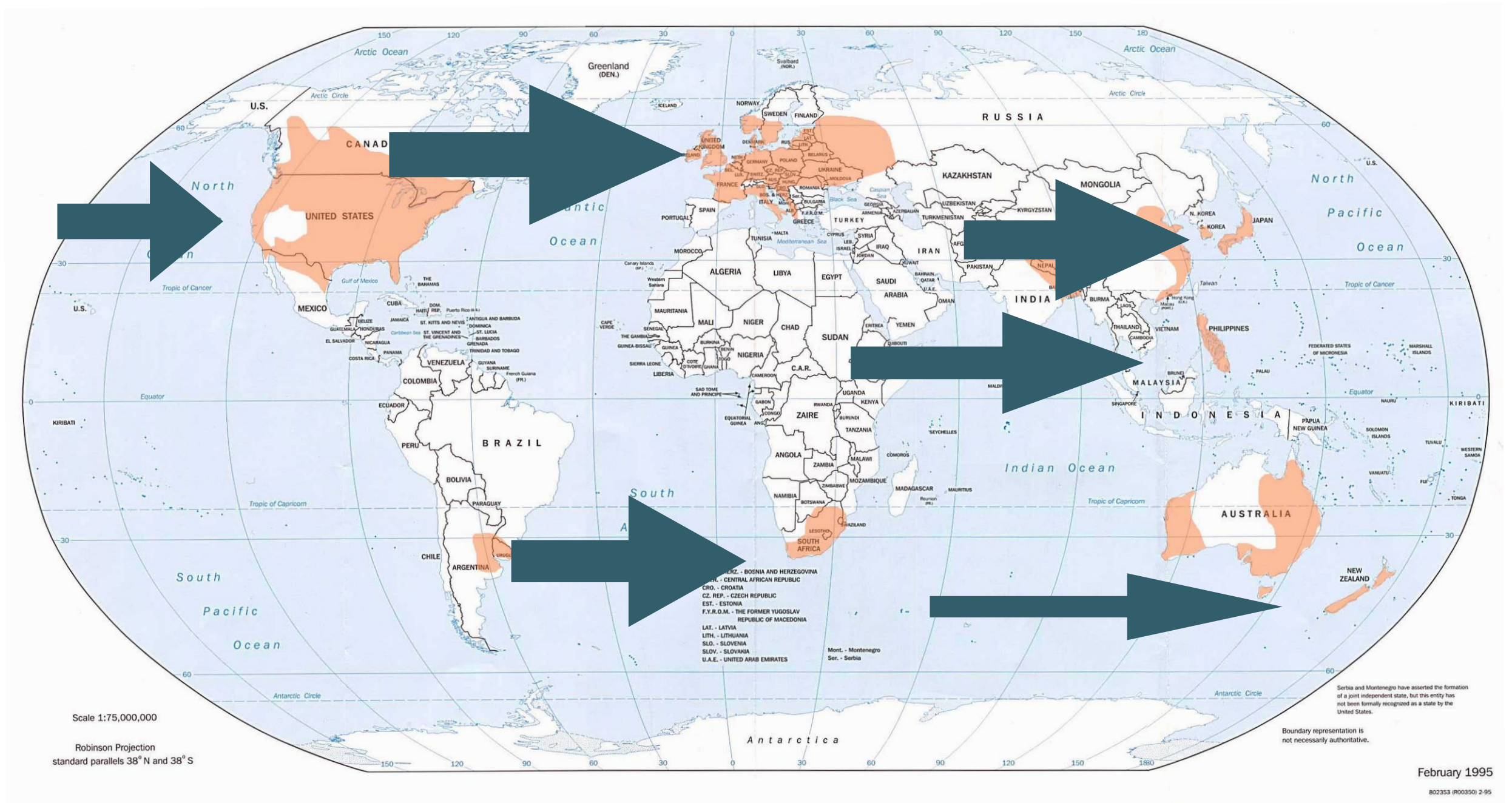
Hello everyone
my name is
Ethan

What is a tornado ?



Tornadoes are violent storms that strike as a powerful rotating mixture of wind and thunderstorm clouds, extending from the clouds to the ground in a funnel shape.

What countries have tornadoes?



The United States is the most common place that has tornadoes but they are also in Canada, Mexico, South Africa, Japan, the Philippines, Australia and New Zealand.

DANGER!!!



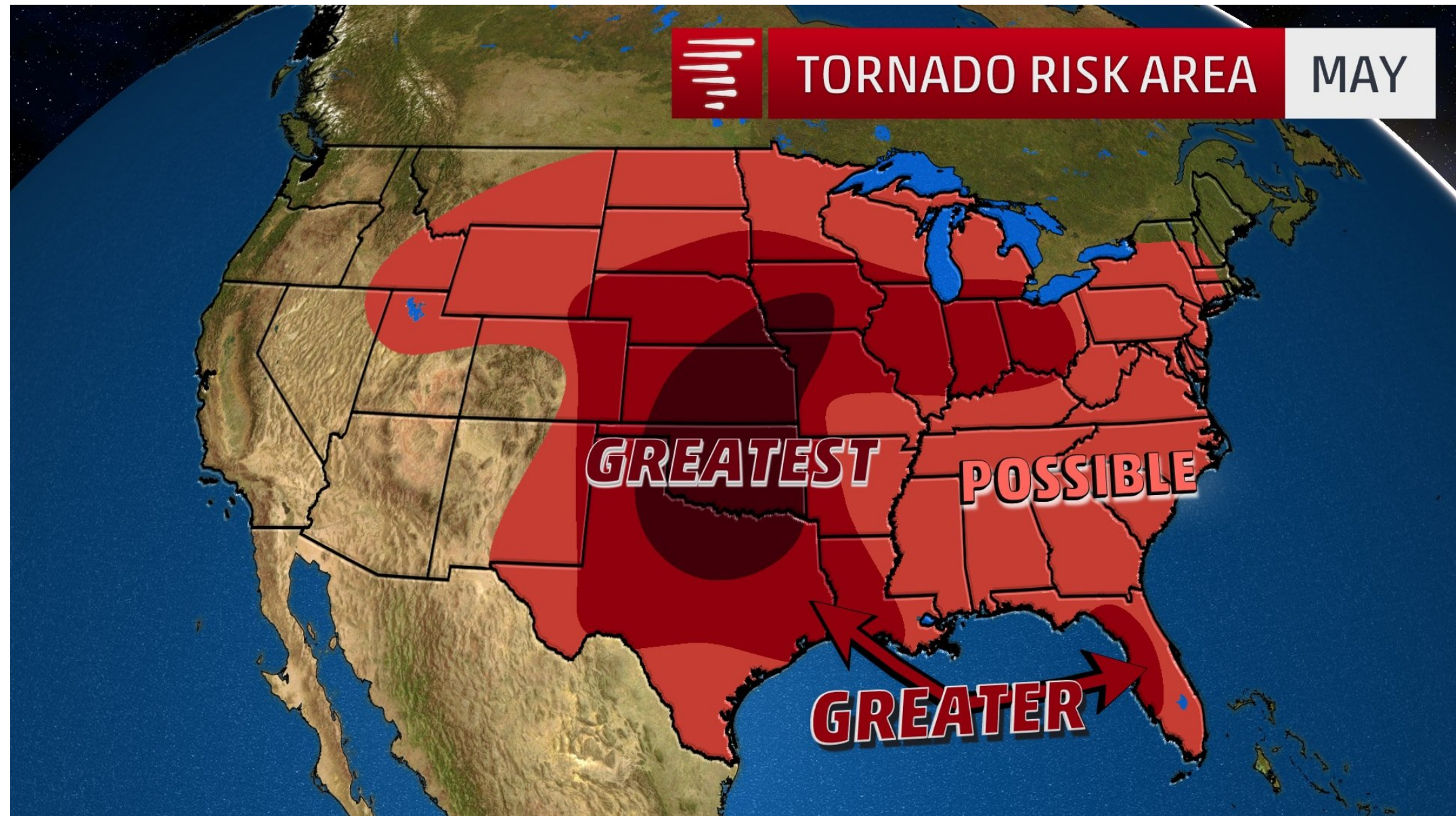
© Can Stock Photo - csp15349728

Dangers?



Tornadoes have very strong winds, up to 300 mph and can be around 500 ft across. The speed and size of tornadoes can cause a lot of damage to cars, buildings and people. In fact tornadoes kill hundreds of people and cause billions of dollars of damage every year.

When are tornadoes most likely to occur?



Tornadoes can happen at any time of the year and at any time of the day. In the southern states, peak tornado season is from March through May. Peak times for tornadoes in the northern states are during the summer.

Where are tornadoes most likely to occur?



The geography of the central part of the United States, known as the Great Plains, is suited to bring all of the ingredients together to form tornadoes. More than 500 tornadoes typically occur in this area every year and is why it is commonly known as "Tornado Alley".

Before a tornado?

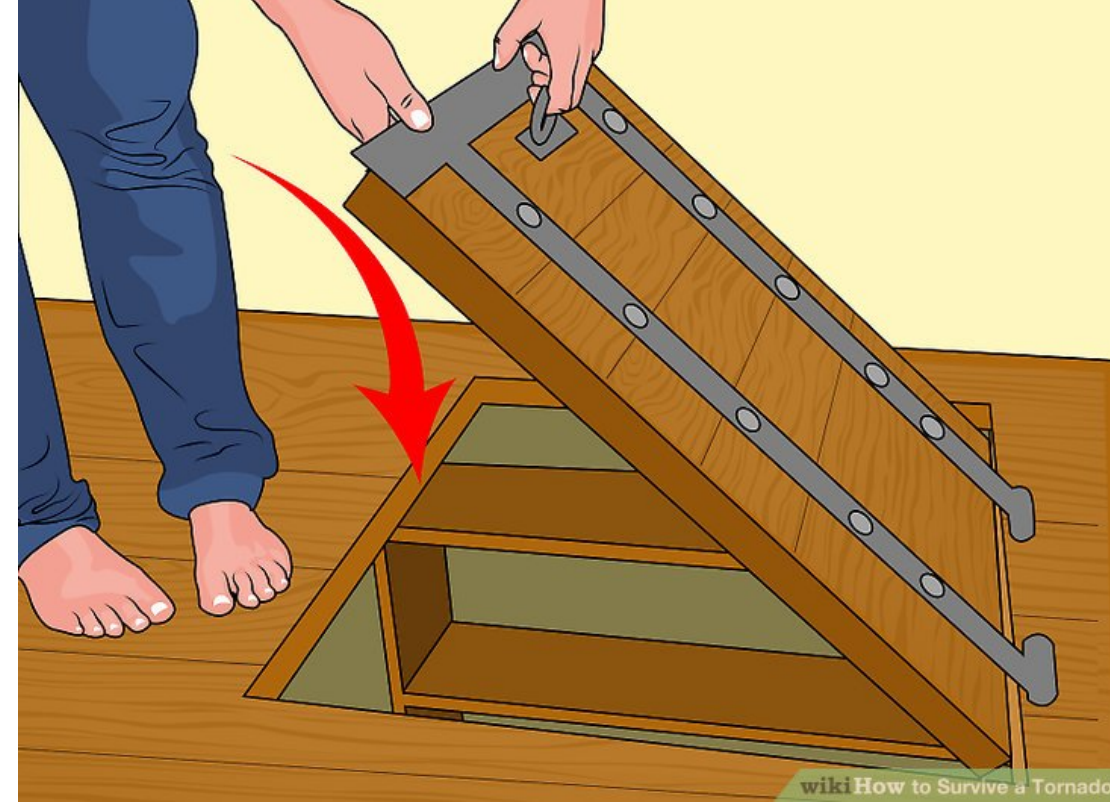


If there is enough time, grab a few first aid items and stock up on water and some emergency supplies, that can last you a few days if things get very bad.

During a tornado?



During a tornado, quickly move to your basement or designated area if you are in a public place. These days, schools, hospitals and many business buildings have safer places where people can take shelter.



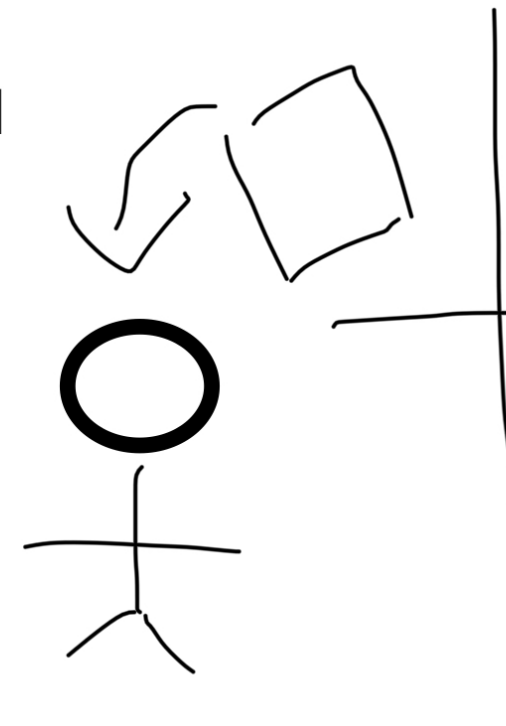
SURVIVAL INFOGRAPHIC - TORNADO SURVIVAL



After a tornado?



Be
careful
items
falling



Be careful when getting
out of your shelter as
damaged objects and
items may fall.

Keep records, notes, photos of
broken items, in case your
insurance company needs them.

TYPHOONS

by Hanny



hallo

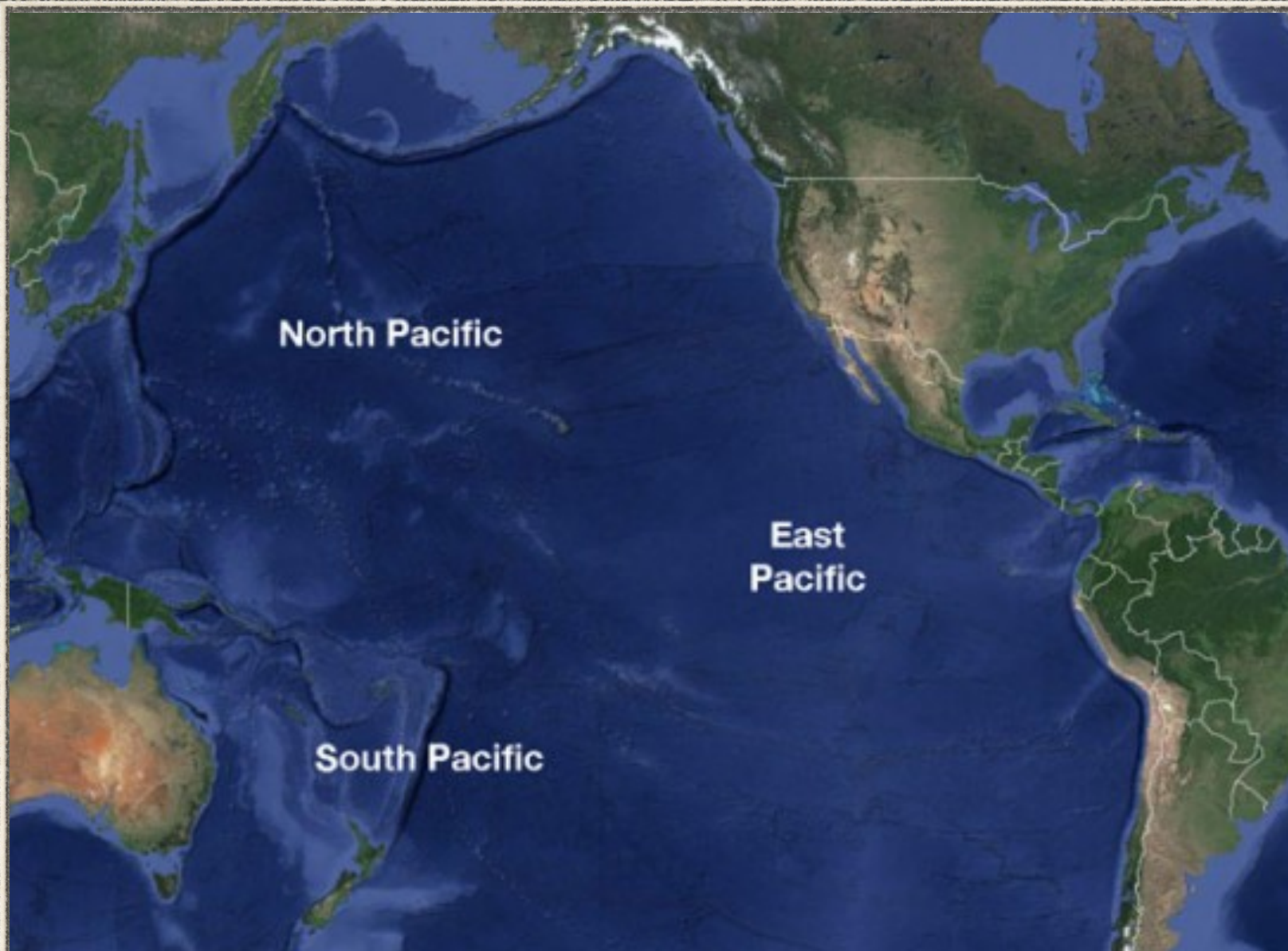
The word 'hallo' is written in a thick, black, cursive script. The letters are highly stylized and interconnected. The 'h' has a long, sweeping tail that ends in a hand-like flourish with three fingers. The 'a' is a simple loop. The 'l' is a tall, narrow loop. The 'l' is a tall, narrow loop. The 'o' is a simple loop. The 'o' is a simple loop. The final 'o' has a long, sweeping tail that ends in a hand-like flourish with three fingers.



Typhoons start as tropical thunderstorms. The strong winds pull in moisture from the ocean...the thunderstorms convert the moisture into heat. The heat causes more air flow to the center of the storm causing evaporation.



Typhoons differ from a cyclone or hurricane only on the basis of location. This hurricane is a storm that occurs in the Atlantic Ocean or northeastern Pacific Ocean, a typhoon occurs in the northwestern Pacific Ocean, and a tropical cyclone occurs in the South Pacific or Indian Ocean.



Within the northwestern Pacific there are no official typhoon seasons as tropical cyclones form throughout the year. Like any tropical cyclone, there are six main reasons for typhoons to form: warm sea surface temperatures, atmospheric instability, high humidity, a low pressure center, a low level disturbance, and low vertical wind.



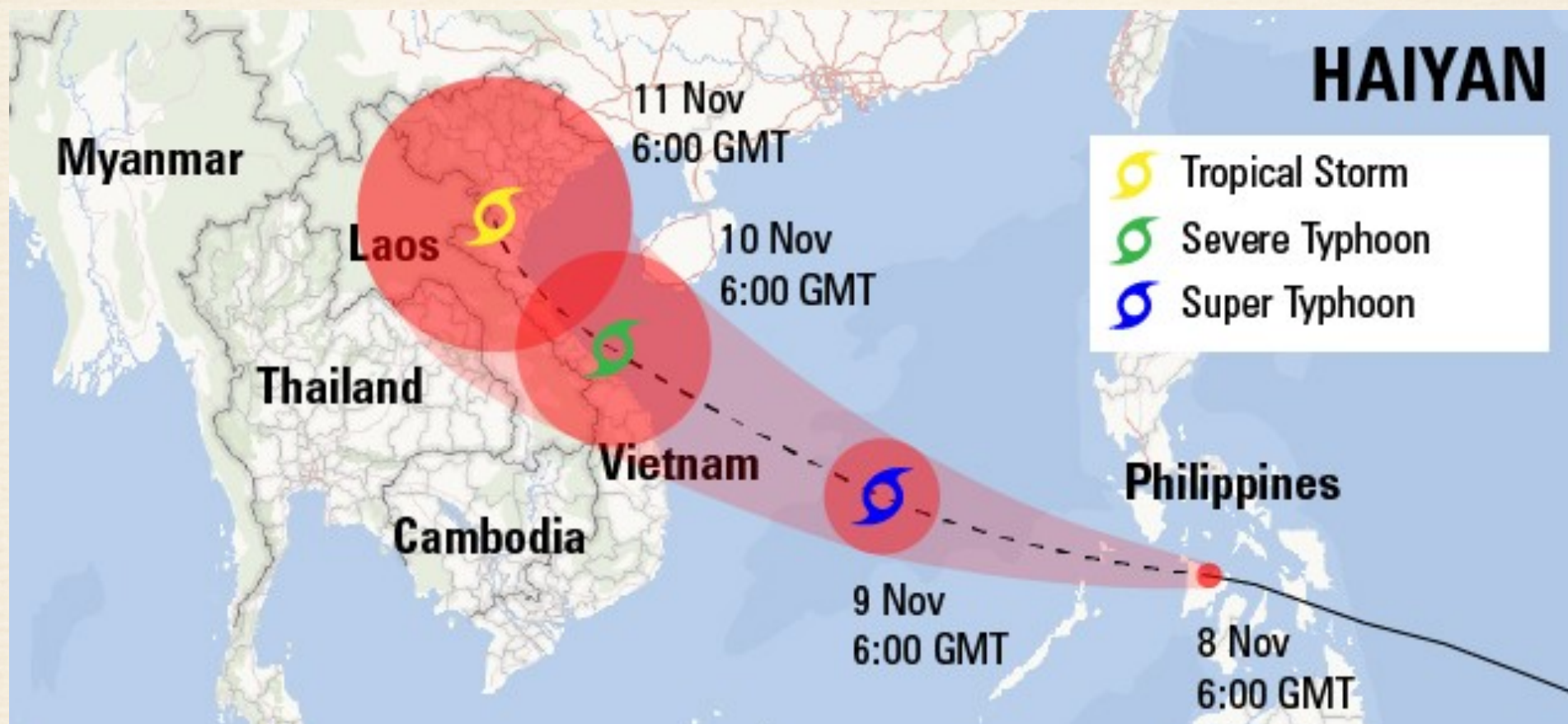
While the majority of storms form between June and November, a few storms do occur between December and May. On average, the northwestern Pacific features the most and strongest tropical cyclones around the world.



The Philippines 🇵🇭 receive the brunt of the landfalls, with China and Japan being impacted slightly less. Some of the deadliest typhoons in history have struck China 🇨🇳. Southern China has the longest record of typhoon impacts for the region, they have been recording typhoons for a thousand years.



Taiwan 🇹🇼 has received the wettest known typhoon on record for the northwest Pacific tropical cyclone basins. Tropical storms also receive official names based on the alphabet. The first storm of the year be given an 'A' name such as 'Andy', the second 'B' such as "Bob' and so on.



Typhoon Haiyan was the worst in history. It devastated the Philippines in 2013 and killed around 6300 people and caused \$5 billion in damage.

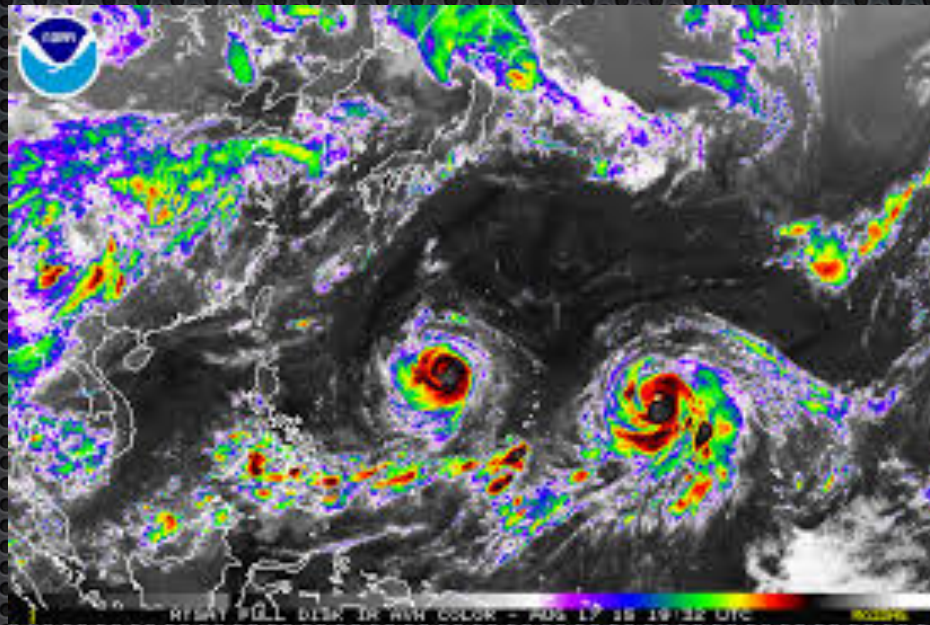
Typhoons(Hurricanes)

By Jeffrey



What are typhoons?

- Typhoons are a kind of storm. They have strong and powerful wind and lots of rain.



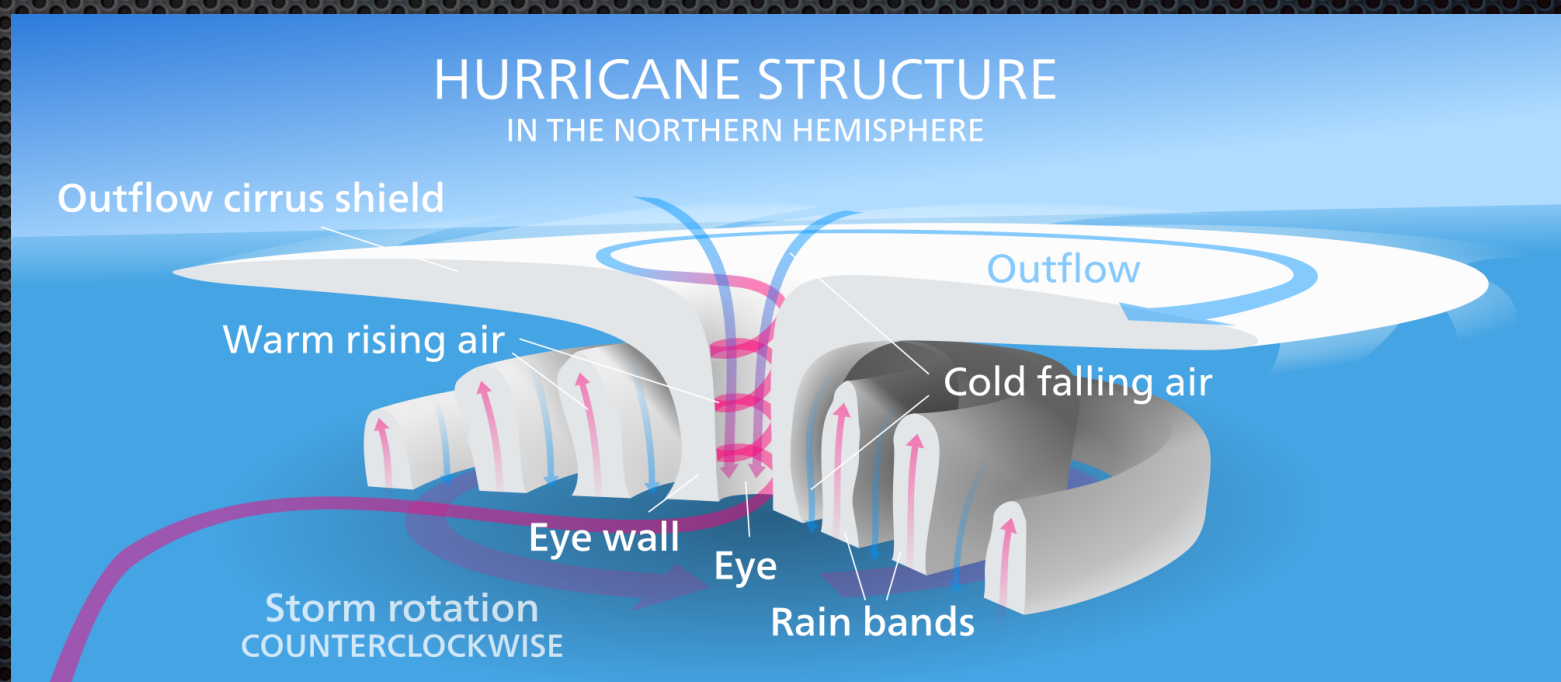
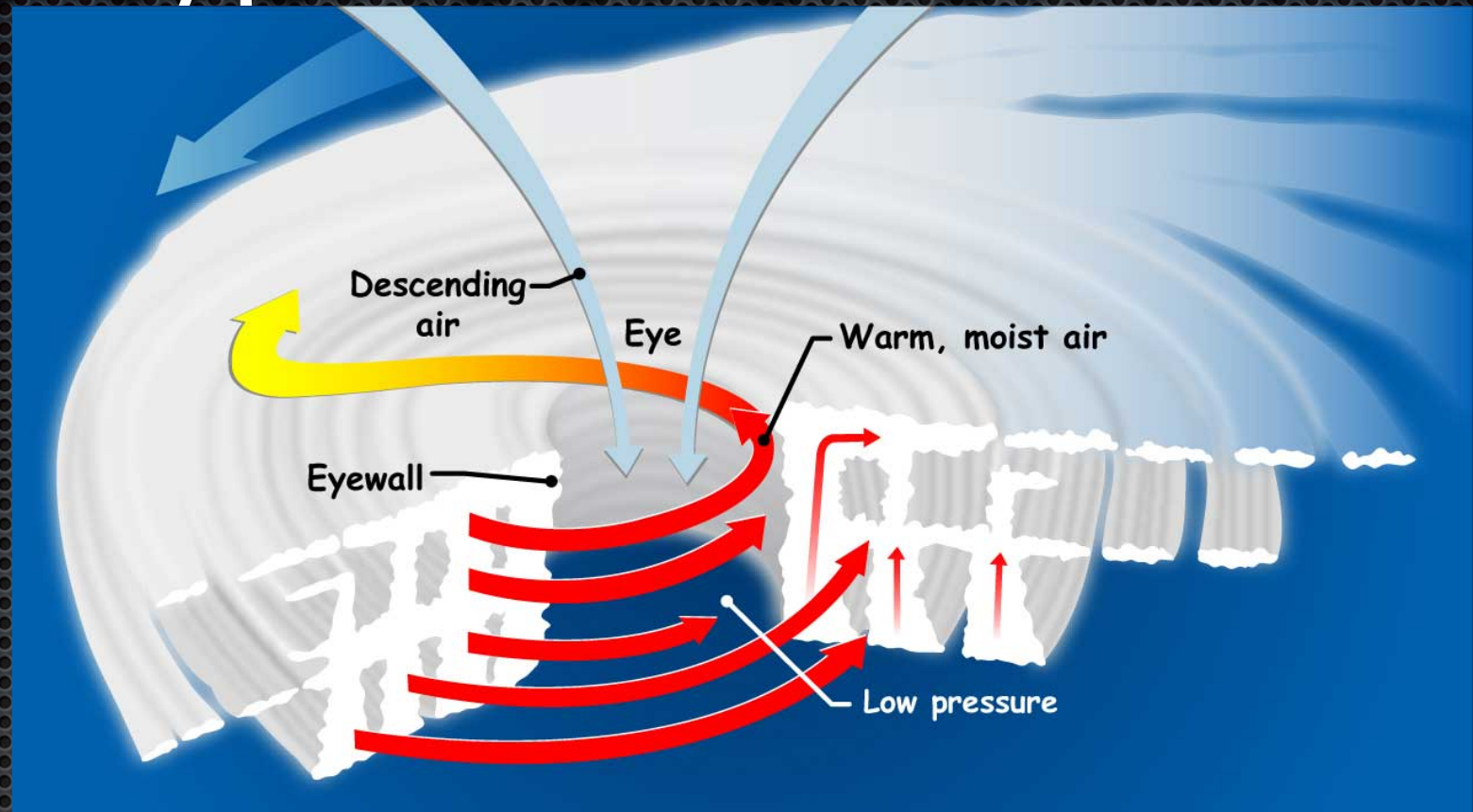
Where do typhoons hit?

- Typhoons hit Asia, the Pacific Ocean, Macao, China, the Philippines, Hong Kong, Japan, and Taiwan. These countries are near the Pacific Ocean.



Where do typhoons form?

- Typhoons form in the Pacific Ocean because it is warmer than other oceans. The warm air draws up moisture which turns into rain.



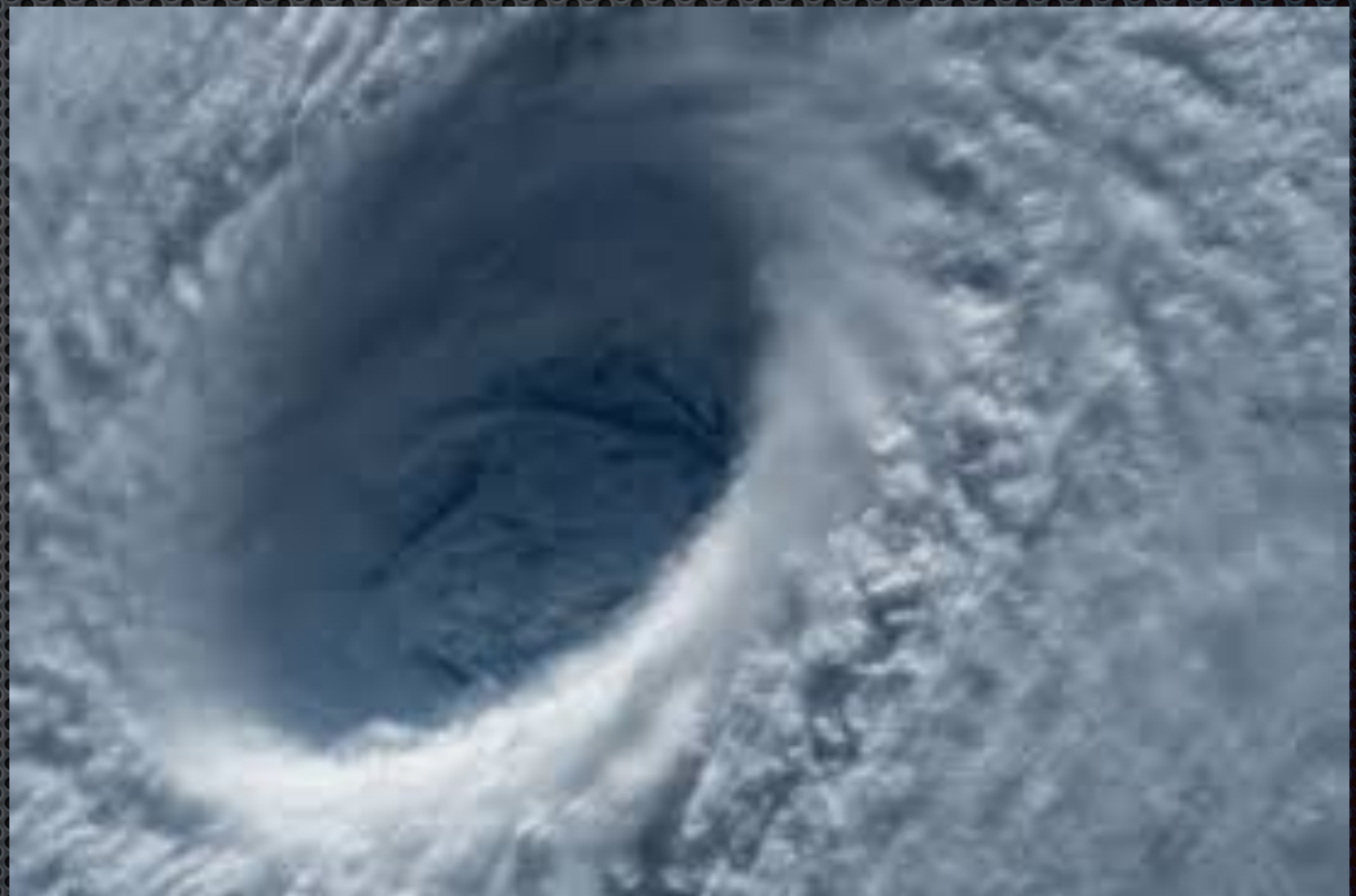
What can typhoons destroy?

- Typhoons can destroy houses, trees and windows because the typhoon's strong wind and rain blow these things down. They can be very dangerous!



Where is the best place to stay during a typhoon?

- The best place to stay during a typhoon is under the eye of the typhoon. This is because the eye has no wind, rain and the sun can shine in because the eye is just a huge hole in the typhoon.



If you can't get to the eye of the storm.

- You should stay at home or in a safe building. Before the typhoon you should prepare by buying the things you need such as food, water, torches, batteries and safety equipment.



What stops a typhoon?

- When typhoons come to land it becomes weaker because it can't suck moisture from the ocean any more. When it hits mountains it will be destroyed because the mountains are very tall and big. The typhoons can't go anywhere so it will stop spinning.



Question time!

Question 1

- What are typhoons made of?
- A/moisture
- B/water
- C/wind



Answer=A

Question 2

- ✦ Where should you stay during a typhoon?
- ✦ A/outside
- ✦ B/in a safe building
- ✦ C/in the car



Answer=B

Question 3

- ✦ Which country has the most typhoons?
- ✦ A/England
- ✦ B/Taiwan
- ✦ C/Italy



Answer=B