

T is for Tornado

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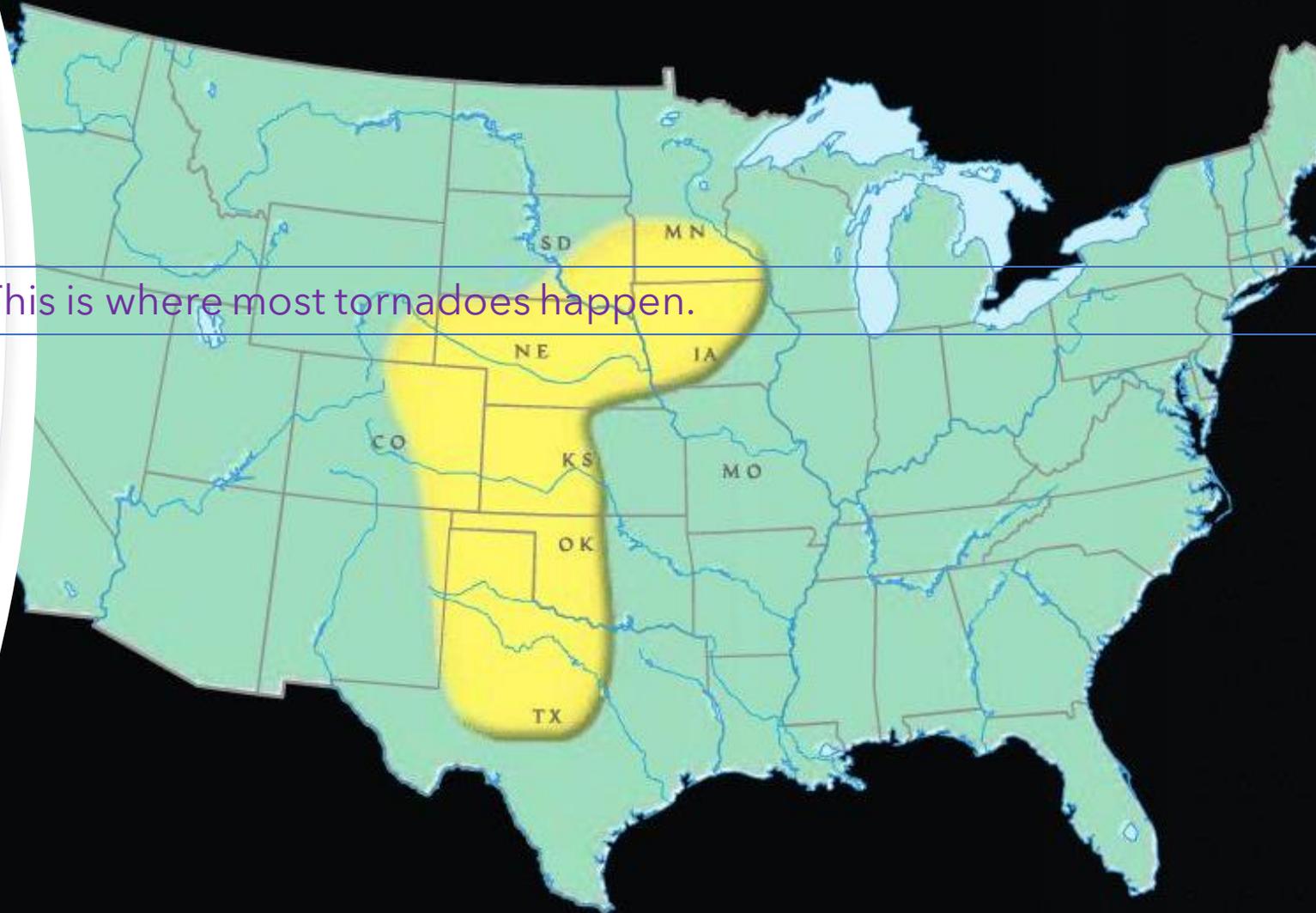
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Tornado Alley

A is for ALLEY

Tornado Alley is where most of the tornadoes happen. It goes though about 8 states. In these states it is worm and cold. That is why you never see a tornadoes.

This is where most tornadoes happen.



B is for BIG

- Tornadoes are BIG and can break anything or everything in its path. Tornadoes are big things that break everything making everyone MAD! Tornadoes can be as BIG as the SKY to the GROUND. Tornadoes are big and make big **masses**.



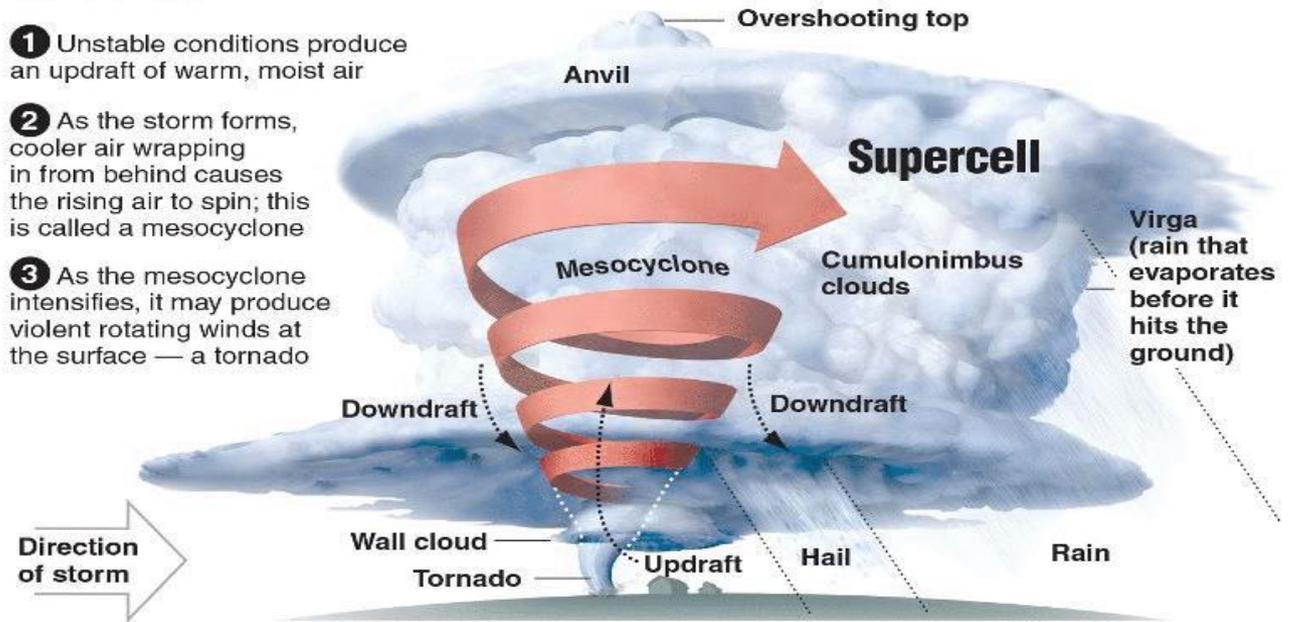
C is for COLUMN

- A tornado is a big column of air. What makes a tornado, is when warm air gets wet and moves in one direction then mixes with cool air. Then when they mix a **massive** tornado.

Destructive vortex

Tornadoes develop out of thunderstorms, where there's a steady, upward flow of warm, low-pressure air. Some tornadoes consist of a single vortex, but other times multiple suction vortices revolve around a tornado's center.

- 1 Unstable conditions produce an updraft of warm, moist air
- 2 As the storm forms, cooler air wrapping in from behind causes the rising air to spin; this is called a mesocyclone
- 3 As the mesocyclone intensifies, it may produce violent rotating winds at the surface — a tornado



Source: National Oceanic and Atmospheric Administration, Weather Underground; San Francisco State University, AccuWeather
Graphic: TNS, Los Angeles Times

D is for DEVASTATION

- A tornado can wreck homes and could **potentially** kill people. In 1996 more than 1,000 people were killed, and 30,000 people were injured.



E is for EMERGENCY

- If you are around a tornado you know how **freaky** it is, but here is some **supplies** flashlight, food, a tight place, and blankets.



Erin Rosen-Watson helps foster children in Massachusetts with handmade afghans and 'care packages.'

By Malania Stetson Freshman

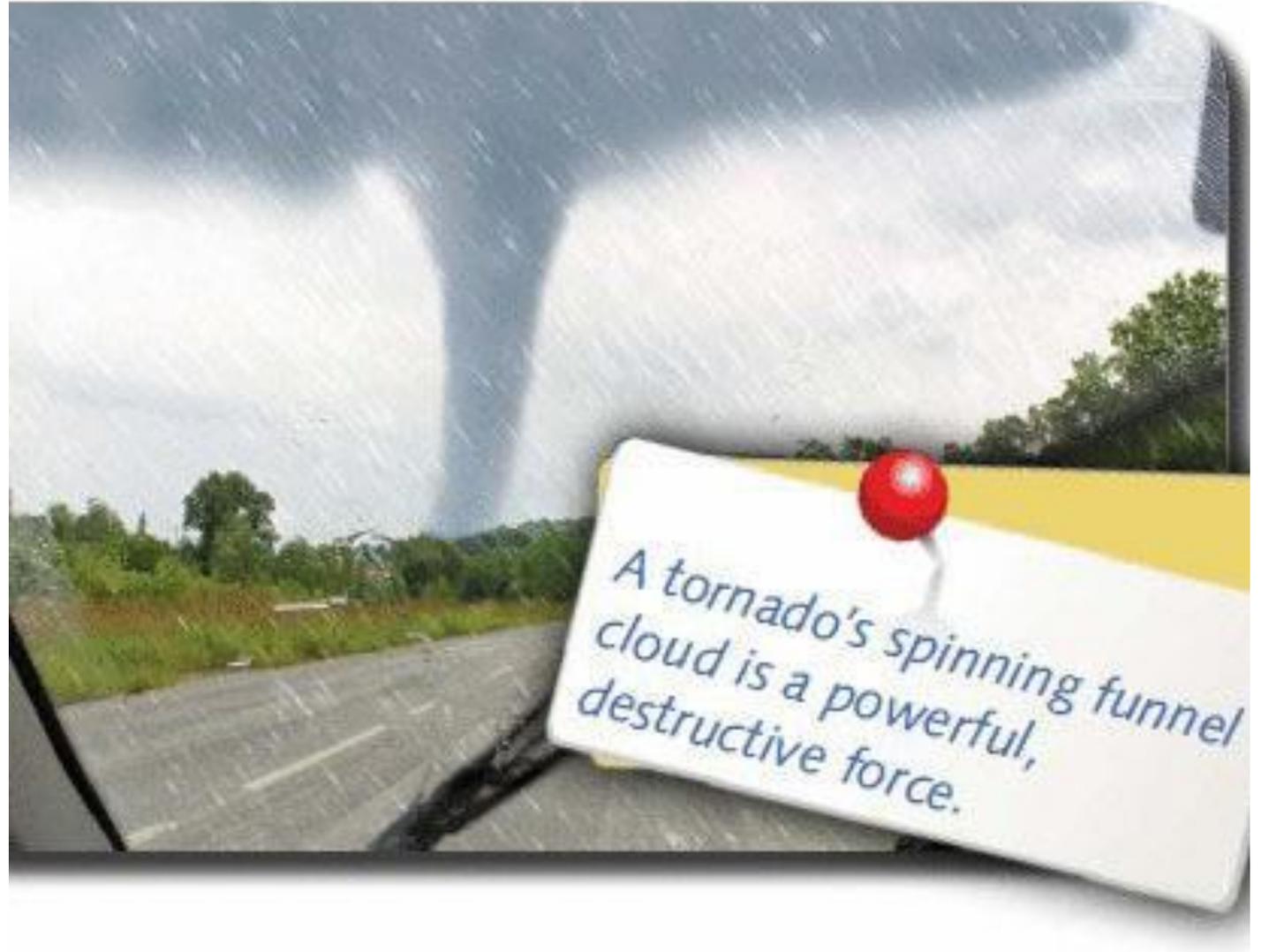
F is for FUNNEL

- Tornadoes are big funnels of air. Not any funnel of air, but a powerful funnel of air. Air funnels (tornadoes) are put on a scale called the **fajita scale**.

Rank	Wind Speed	Type of Damage
EF-0	65 to 85 miles per hour	Causes some damage to siding and shingles on buildings.
EF-1	86 to 110 miles per hour	Winds can uproot trees and overturn mobile homes. Flagpoles will bend.
EF-2	111 to 135 miles per hour	Most mobile homes destroyed. Permanent homes can shift off their foundations. Flagpoles often break. Bark comes off softwood trees.
EF-3	136 to 165 miles per hour	All but small portions of houses are destroyed. Bark comes off hardwood trees.
EF-4	166 to 200 miles per hour	Complete destruction of well-built homes and large sections of school buildings.
EF-5	More than 200 miles per hour	Destruction of the structure of mid- and high-rise buildings.

G is for GROUND

- When a tornado is in the air and has not hit the ground, yet it is called a funnel cloud. Tornadoes can grow fast. The safest place from a tornado is under ground. A tornado **cellar** is an underground place. Other places safe from tornadoes are your basement or a room with no windows and no outside walls.



H is for Hail

- If a tornado's wind is so strong, and it is raining. It could start hailing, and it could **harm** you very badly. When it hails, big chunks of ice come down from the sky. Hail can dent and break many things like house, cars, and buildings.



I is for investigating

- People investigate tornadoes.
- People put the tornadoes on a scale.
- The scale is called the Fujita scale.
- They can tell where the tornado is on the scale on how big the **damage** is.



J is for Jets

How people get **information** about tornadoes is they use jets. The jets are used for going into the tornado. It is very dangerous but that is how it works.



K is for Kill

A tornado doesn't kill people, the things in a tornado are what kill people. Some of the things in a tornado are trees, parts of homes, **etc.**



L is for LONG

- Tornadoes can last a long time or a short time. If a tornado lasts a long time it does not mean it is a **powerful** tornado. This could make more damage.



M is for Meteorologist

In the morning when your parents watch the **weather** and you see those people talking well those people are meteorologist. A meteorologist study weather, and how they study tornados is so cool because they fly jets into the tornado to see what is going on in the tornado.



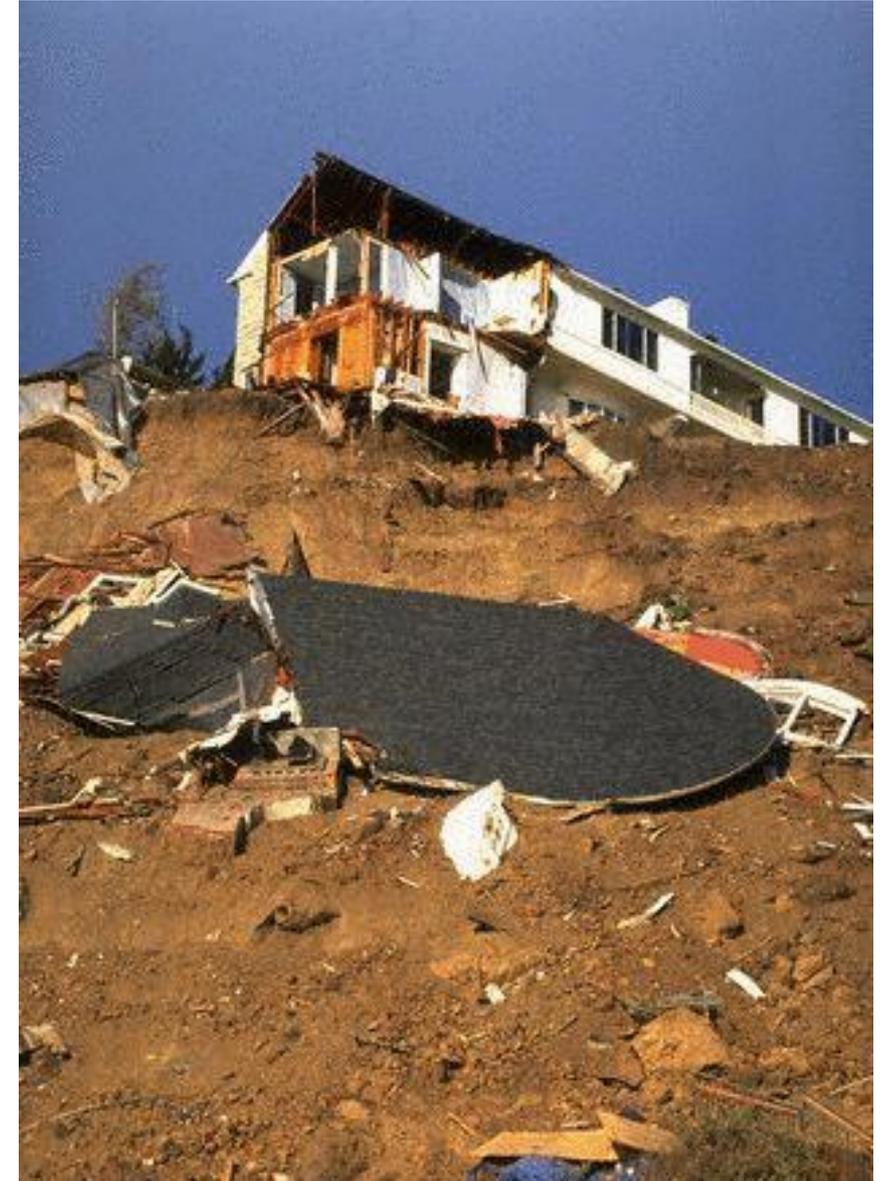
N is for NATIONAL



- Tornadoes happen **worldwide**.
- There is no place that a tornado has not hit.
- Tornadoes are national.
- Tornadoes can destroy any national building or place.

P is for Powerful

- A tornado is very powerful.
- A tornado can flip cars over, tear roofs off of homes, and **up-root trees!**
- A tornado is so powerful it can lift the heaviest thing





O is for Occur

A tornado can occur at any time, saying that may scare you but if you are **prepared** you will be okay.

Q is for QUICK

- Tornadoes can move quickly.
- Tornadoes can move at great speed, causing lots of **destruction**.
- If a tornado touches down near you, quickly get to safety.
- Tornadoes can be 45-317mph.



Tornadoes such as this one are common occurrences in Oklahoma.

R is for RUMBLE

- When you hear a RUMBLE, it means **evacuate!** A **RUMBLE** is a clue that a tornado is near. A tornado rumble is a sound a tornado makes as it moves across land.

EVACUATE

Evacuate means to exit as fast as possible. Evacuate might mean **GET TO SAFTY!!**



S is for **STRONG**

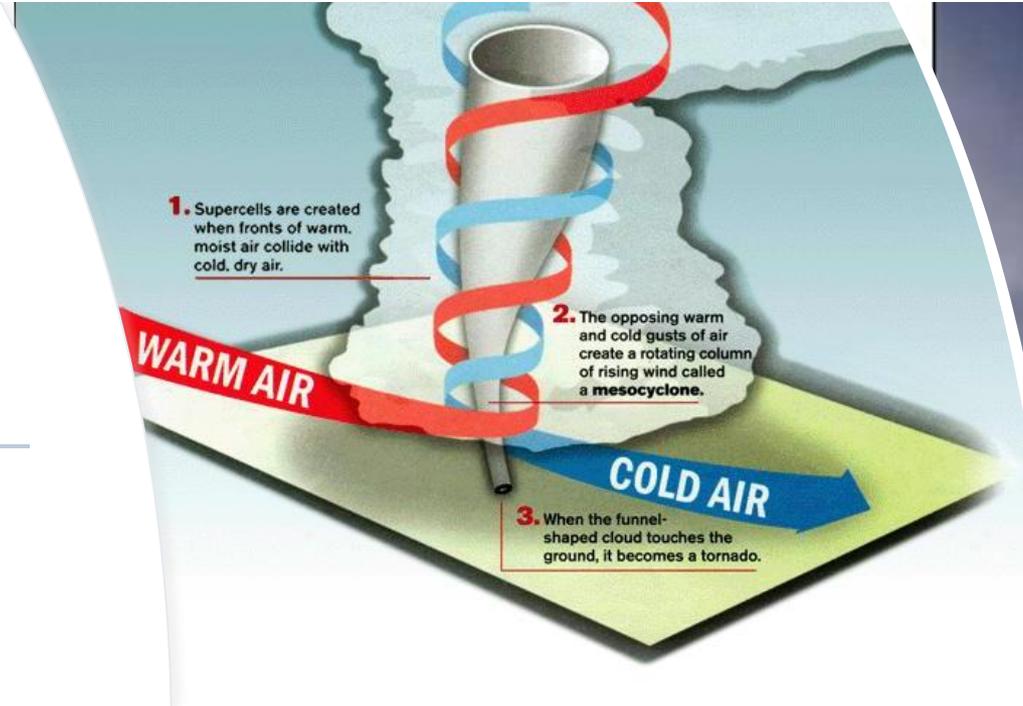
- Tornadoes are strong spinning winds.
- Tornadoes are as strong as flipping cars, ripping roots out of the ground, and throwing your upstairs away.
- If you think that tornadoes are doing the damage you are **wrong**.
- The powerful tornado **throws** everything making the damage.

Strong tornadoes
cause damage in a
place like this.



T is for **Twister**

How a **twister** forms is when cold and warm air masses form and wind spins them together.



U is for underground

- Staying safe in a tornado.
- To stay safe in a tornado you should go underground.
- Underground is the safest place because a tornado can't dig to well.
- If you do not have a basement go to a room with no windows or **outside walls**.



A tornado is also called a twister. It can smash buildings to pieces.

Outside walls.

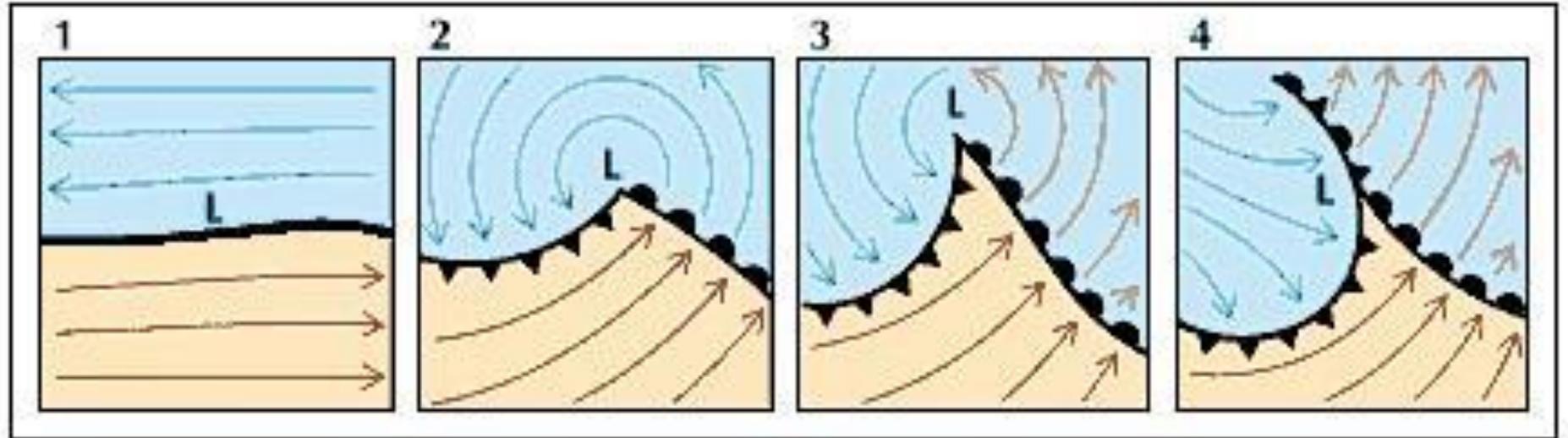
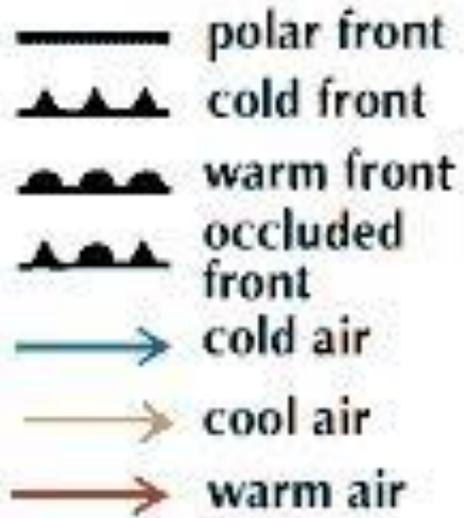
Outside walls are walls that face outside. For an example: If your house is square and your room is in a corner your room have two outside walls.



V is for Vicious

- Vicious twisters can rip your house to slivers.
- Tornadoes are VICIOUS, **VIOLENT**, and VIGOROUS.
- Tornadoes can rip every landmark making it hard to tell where you are.
- Tornado power is not the only thing that people fear. Tornadoes can break pipes that can make a flood.

This vicious tornado is causing a lot of trouble.



W is for Warm Front

- A warm front is part of the ways a tornado is made the other front is a **cold front**. When a cold front and a warm front mix it makes a tornado.

X is for EXPAND

- Tornadoes **EXPAND** around the world. Tornadoes start as a thunderstorm, then become a funnel cloud, next they start to expand down to the ground. After it hits the ground it is a tornado. Then the damage expands.

EXPAND

Expand means to stretch or to make bigger.



This is a picture of a car and a house that got hit by a tornado that expanded to the ground.

Y is for YELL

YELL

Yelling is a verb. A yell is a sound that comes out of your mouth. A yell can be a word or a "Aaa!"

In a tornado it will be loud so no one will hear you if you talk instead of YELLING!

After a tornado you might be stuck, so a good way to get help is by yelling.

If you can't find your mom, dad, sister, brother, or a friend you might hear their yell for help and find them.

A yell is not always a bad thing. If you hear a yell it might mean you found someone, or you got someone out of a **sticky** situation.



This picture shows a boy Yelling!



Z is for Zone



- If a tornado comes in your area you would want a safe zone to hide in. A zone could be a basement, a closet, a storm cellar, or a **crawl space**.

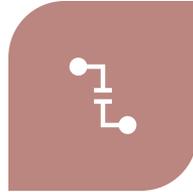
Glossary



CRALL SPACE- A
SMALL SPACE UNDER
YOU HOUSE



Evacuate- To go away
quickly



OUTSIDE-
NATURE WERE
ANIMALS LIVE



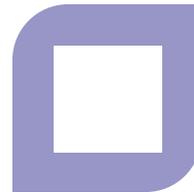
STICKY- GROSS AND
NOT A FUN
THING



VIGOROUS- BAD
AND NOT SMART



VIOLENT- STRONG
AND DANGEROUS



VICIOUS- SCARY AND
UNPRECISPABLE

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