

The background features a vertical gradient from light purple at the top to light blue at the bottom. Scattered throughout are various water droplets of different sizes, some with highlights and shadows, giving them a 3D appearance. A large, faint, light-colored circular graphic is centered in the upper half of the image.

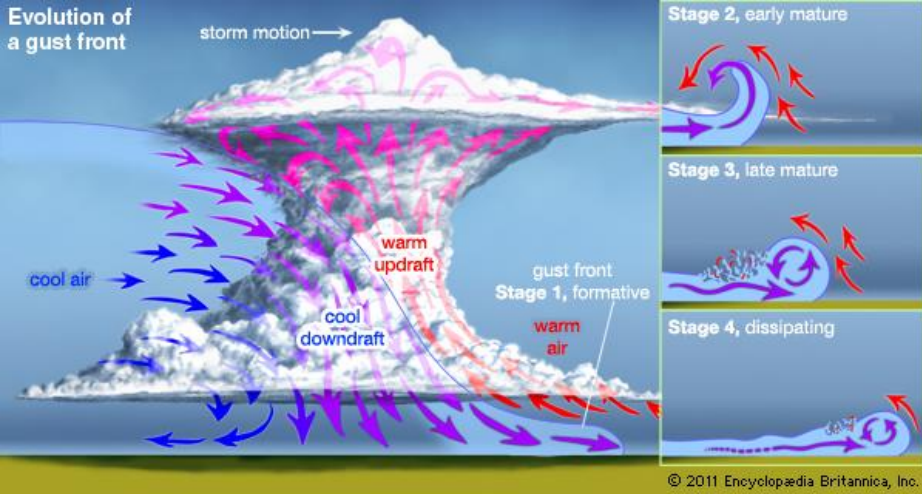
# MY STORM PROJECT

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## WHAT IS A THUNDERSTORM

A THUNDERSTORM IS A STORM THAT HAS LIGHTING AND THE STORM COULD PUT YOUR POWER OUT BY KNOCKING INTO CABLE CORDS AND YOU NEVER SHOULD BE OUTSIDE WHILE A THUNDERSTORM IS HAPPENING. WHY? WELL BECAUSE YOU COULD GET SHOCKED BY A THUNDERBOLT.





# WHAT CAUSES IT

WHAT CAUSES A THUNDERSTORM IS WHEN AIR MASS BECOMES SO UNSTABLE THAT IT OVERTURNS VIOLENTLY. IT ALSO HAPPENS BECAUSE WHEN AIR IS WARMER IT CAUSES IT TO RUSH UP FURTHER.



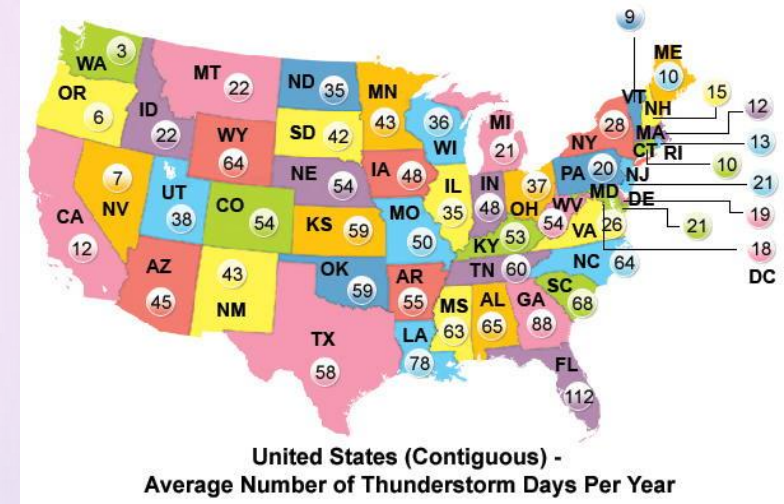
# WHAT PREDICTION TOOLS ARE USED TO PREDICT THIS EVENT

A BAROMETER **MEASURES** AIR PRESSURE. ... A RAIN GAUGE **MEASURES** THE AMOUNT OF RAIN THAT HAS FALLEN OVER A SPECIFIC TIME PERIOD. A WIND VANE IS AN **INSTRUMENT** THAT DETERMINES THE DIRECTION FROM WHICH THE WIND IS BLOWING. AN ANEMOMETER **MEASURES** WIND SPEED.



# WHAT ARE THE EFFECTS

EFFECTS OF THUNDERSTORMS ARE: HAIL. **LIGHTNING**. FLASH FLOODS. THUNDER. RAIN. THUNDERSTORMS EFFECT THE EARTH BY THE LIGHTNING STRIKES IN SOME OF THEM. THUNDERSTORMS AFFECT RELATIVELY SMALL AREAS WHEN COMPARED WITH **HURRICANES** AND WINTER STORMS.



# WHERE DOES THIS MOSTLY OCCUR

THUNDERSTORMS ARE ALSO USUALLY RARE ALONG THE PACIFIC COAST, SINCE THE SUMMERTIME AIR THERE IS RELATIVELY DRY. ON THE OTHER HAND, FLORIDA'S **GULF COAST** EXPERIENCES THE GREATEST NUMBER OF THUNDERSTORMS OUT OF ANY **U.S.** LOCATION. THESE TYPES OF STORMS OCCUR ON AVERAGE 130 DAYS PER YEAR **IN FLORIDA.**FEB 2, 2017



# WHAT CAN A PERSON DO TO PREPARE FOR A THUNDERSTORM

REMEMBER: IF YOU CAN HEAR THUNDER, YOU ARE CLOSE ENOUGH TO THE STORM TO BE STRUCK BY LIGHTNING. GO TO **SAFE** SHELTER IMMEDIATELY. MOVE TO A STURDY BUILDING OR CAR. ... IF LIGHTNING OCCURS AND STURDY SHELTER IS NOT AVAILABLE, GET INSIDE A HARD TOP AUTOMOBILE AND KEEP THE WINDOWS UP.

# HOW IS STRENGTH OF THIS EVENT MEASURED

METEOROLOGISTS USE THE LIFTED INDEX (LI) TO ESTIMATE THE ATMOSPHERE'S POTENTIAL TO PRODUCE SEVERE **THUNDERSTORMS**. THE LIFTED INDEX **MEASURES** THE TEMPERATURE OF RISING AIR IN THE ATMOSPHERE TO DETERMINE THE LIKELIHOOD OF A **THUNDERSTORM**. SATELLITE IMAGERY IS ALSO USED TO TRACK **THUNDERSTORMS**.

