Weather Fronts & Pressure Systems

Ms. Larsh

What 3 Factors Influence Weather?

- 1. Wind (Atmospheric Instability)
- 2. Water / Humidity
- 3. Temperature

What is Wind?

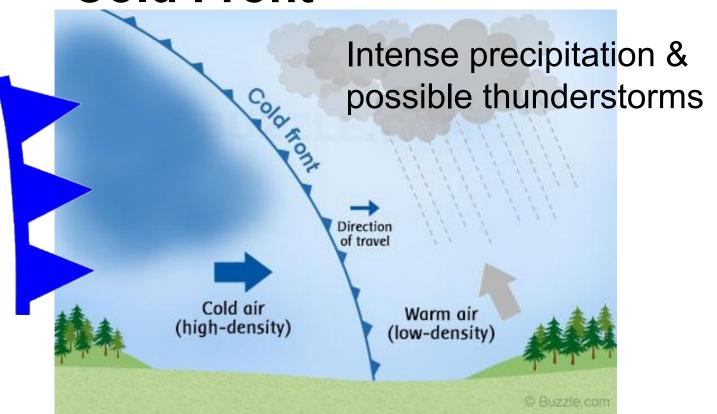
Wind is the movement of air from an area of high pressure to an area of low pressure

Recap

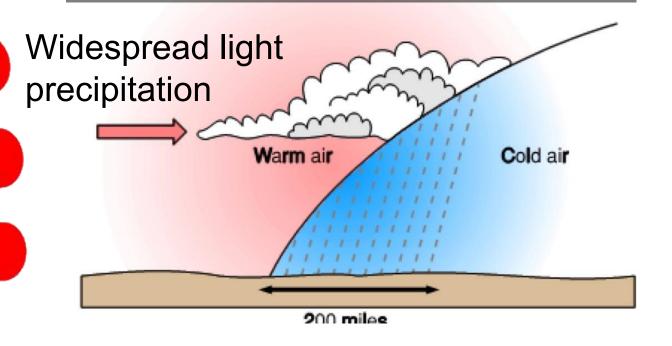
There are 4 different types of Fronts

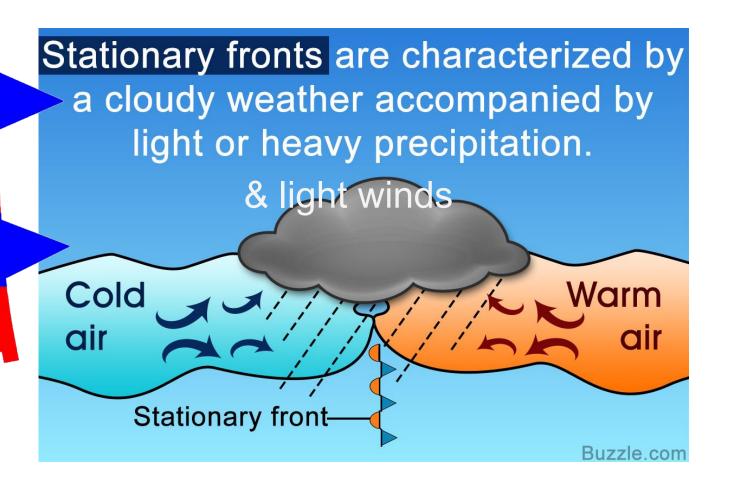
Fronts are the boundaries between air masses of different temperatures

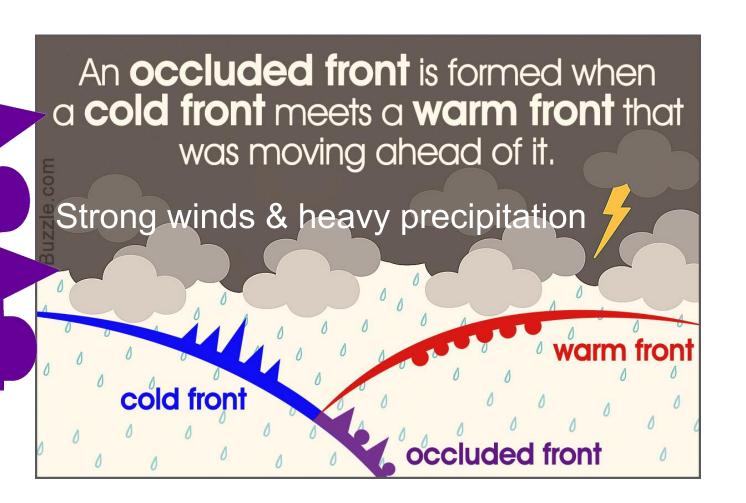
Cold Front



WARM FRONT





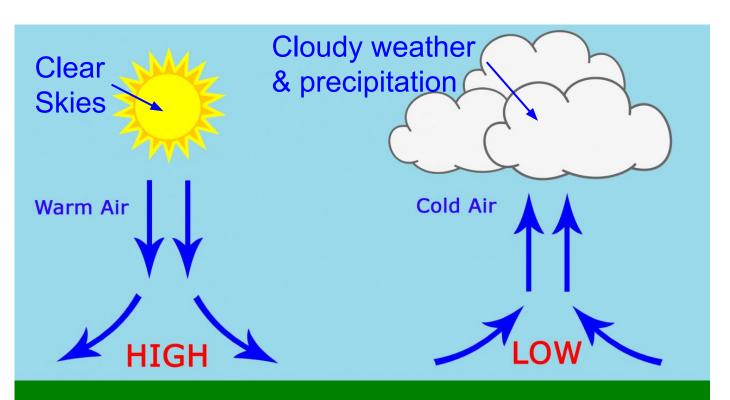


Air Masses & Fronts

https://www.youtube.com/watch?v=o4lg8UfY5DM

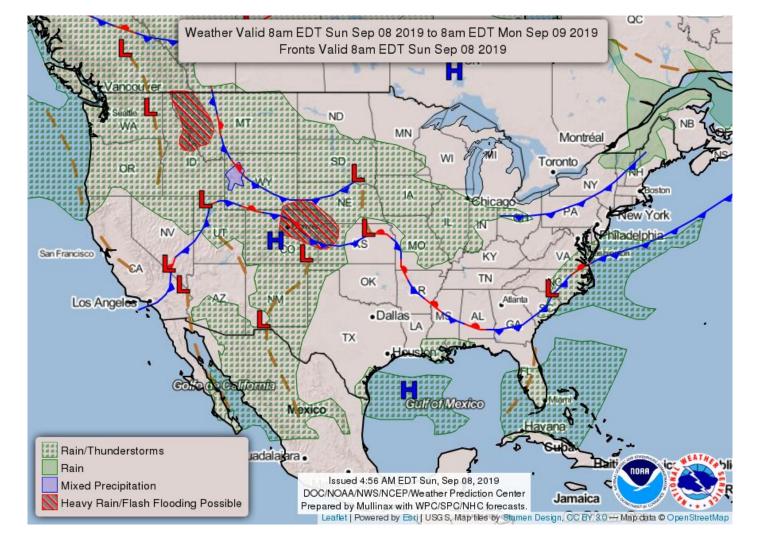
What do these symbols stand for?

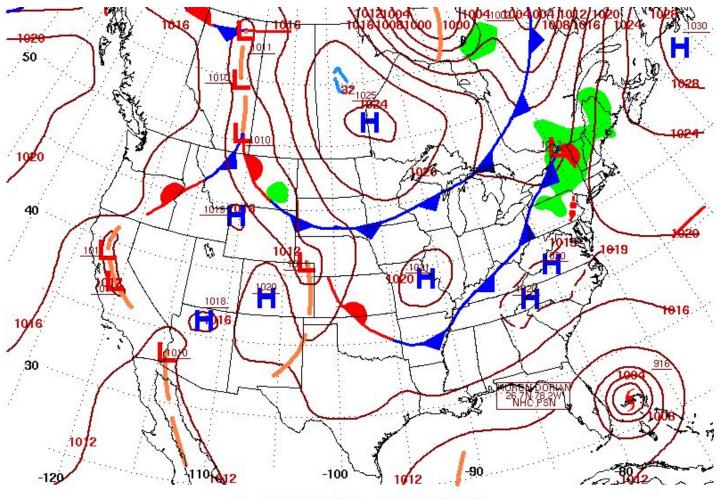




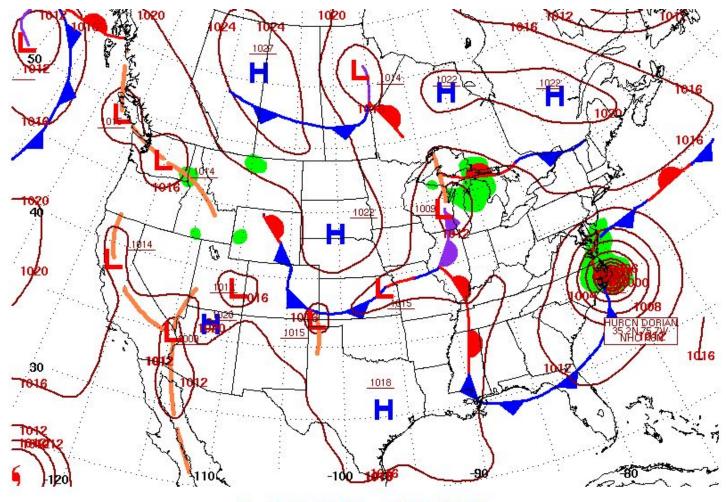
PRESSURE

PRESSURE

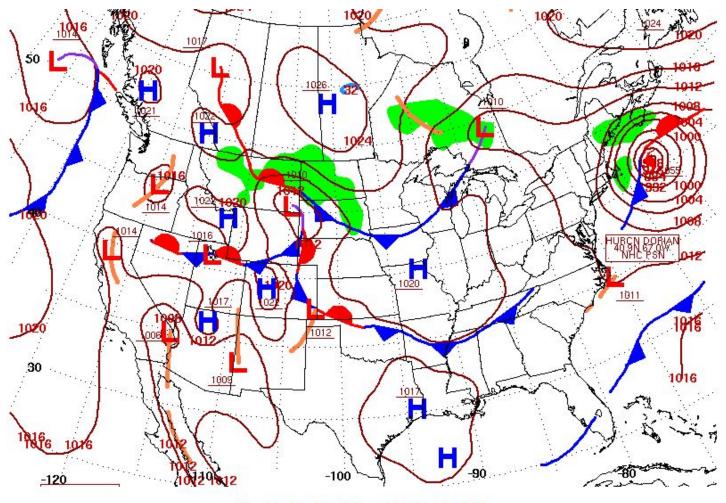




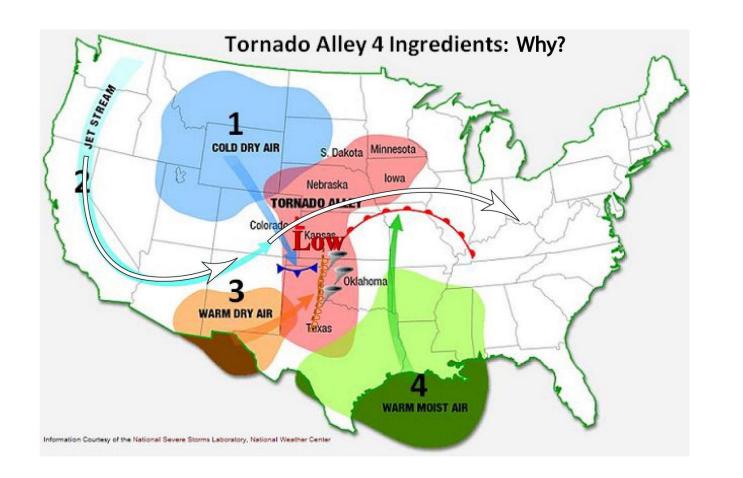
Surface Weather Map at 7:00 A.M. E.S.T.

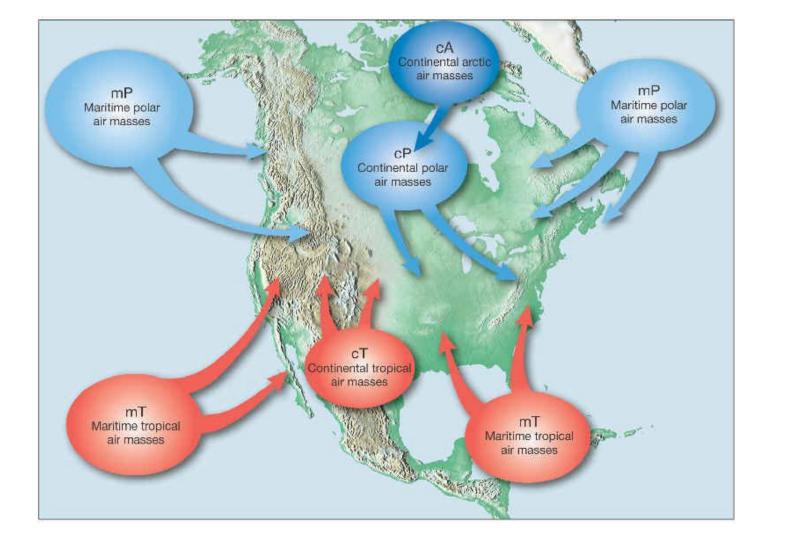


Surface Weather Map at 7:00 A.M. E.S.T.



Surface Weather Map at 7:00 A.M. E.S.T.





Types of Air Masses

Name of Air Mass	Abbreviation	Temperature	Moisture
Continental Polar	сР	Cold	Dry
Maritime Polar	mP	Cold	Humid
Continental Tropical	сТ	Warm	Dry- Low Humidity
Maritime Tropical	mT	Warm	Humid
Continental Arctic	cA	Very Cold	Very Dry

