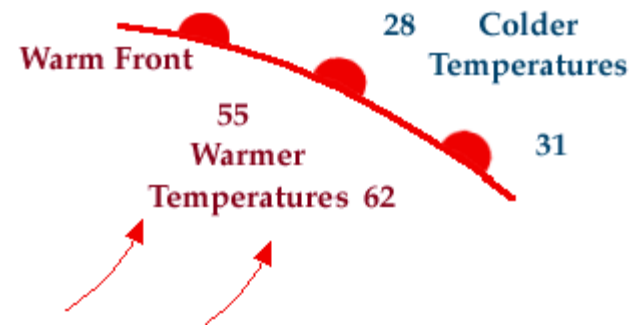
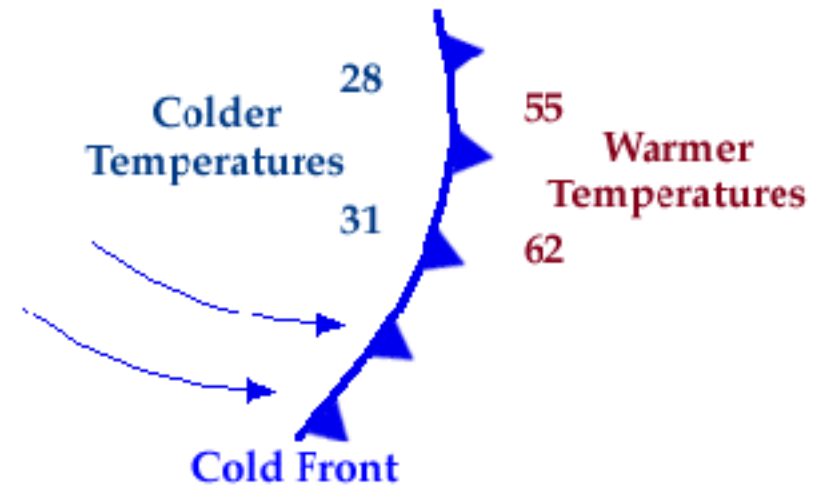
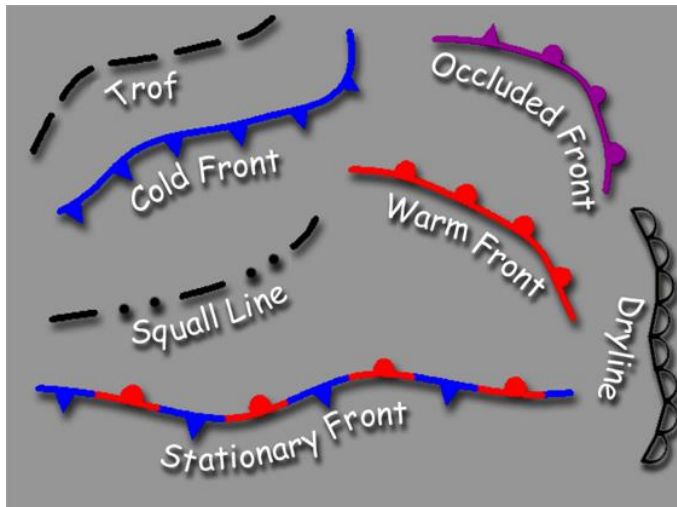
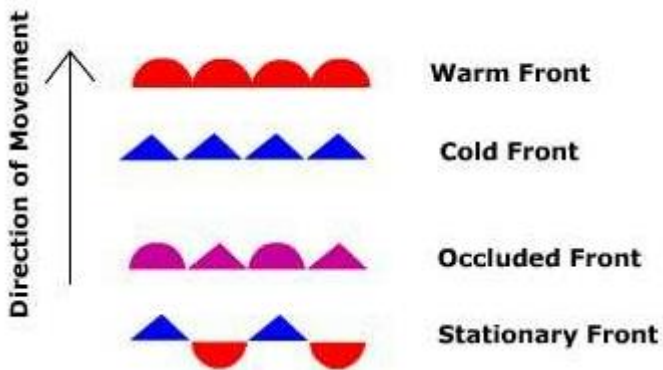


Weather Study Notes

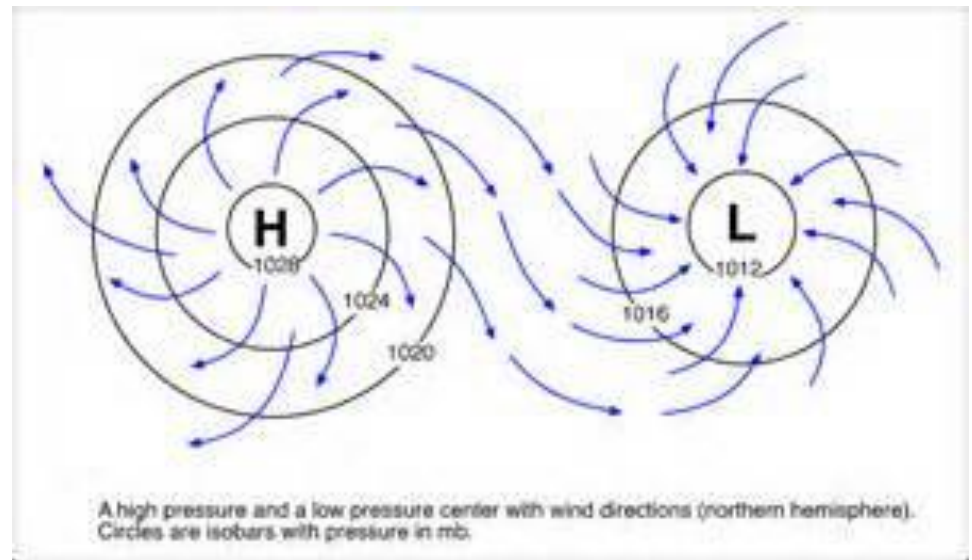
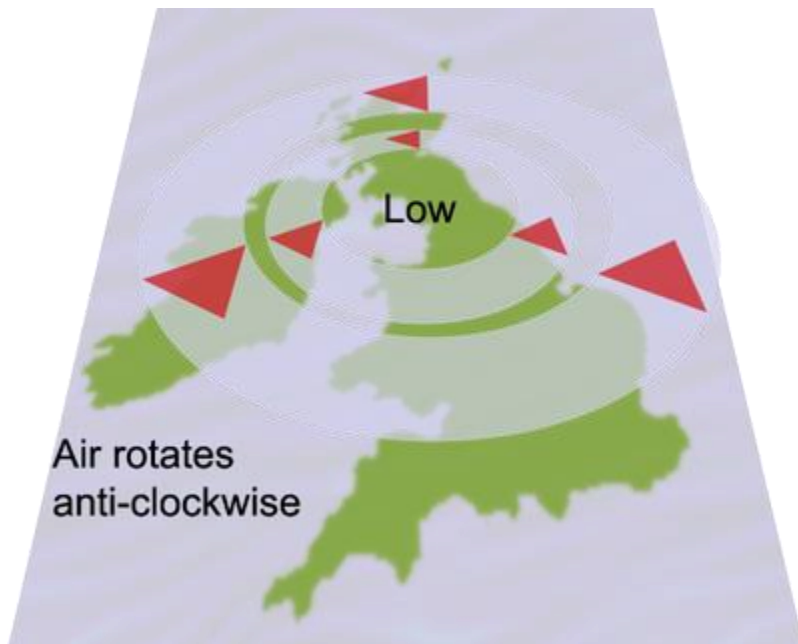
1

- Triangular shaped symbols colored blue on a weather map point the direction a cold air mass is moving.



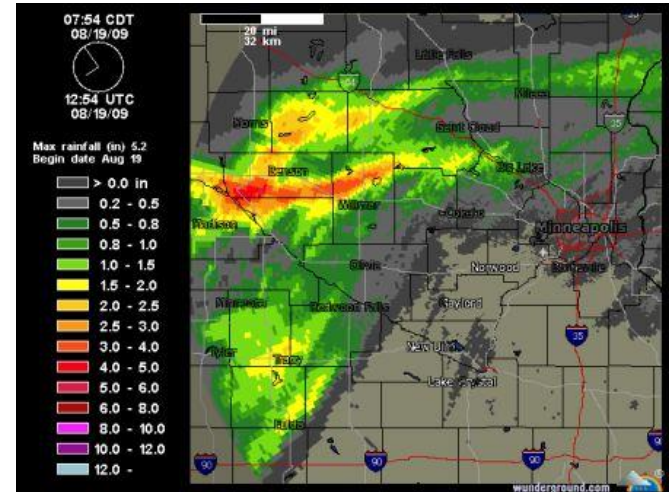
2

- Winds in a low pressure system that form in the Northern Hemisphere appear to rotate counter clockwise when viewed from space.



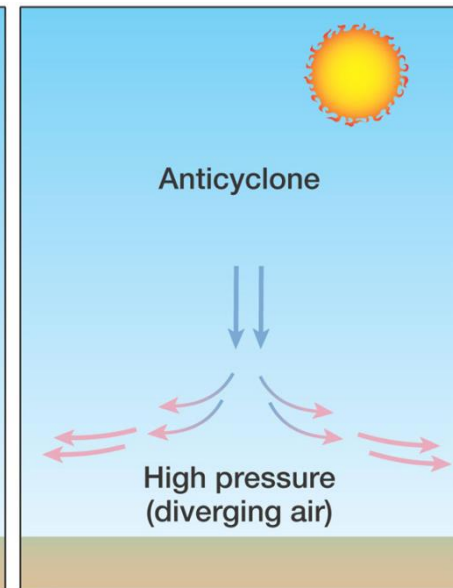
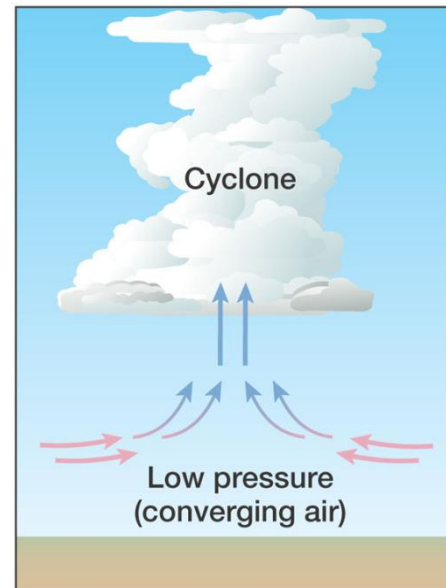
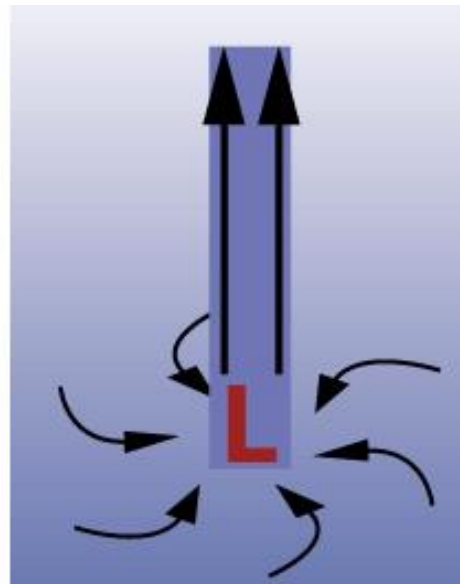
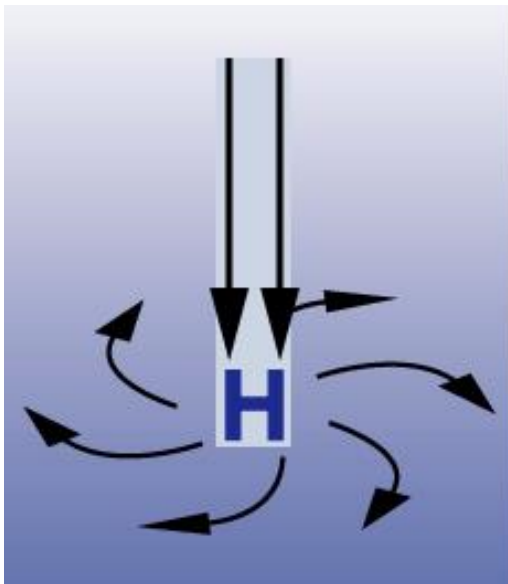
3

- Doppler radar can provide the location, type, and motion of precipitation to weather forecasters.



4

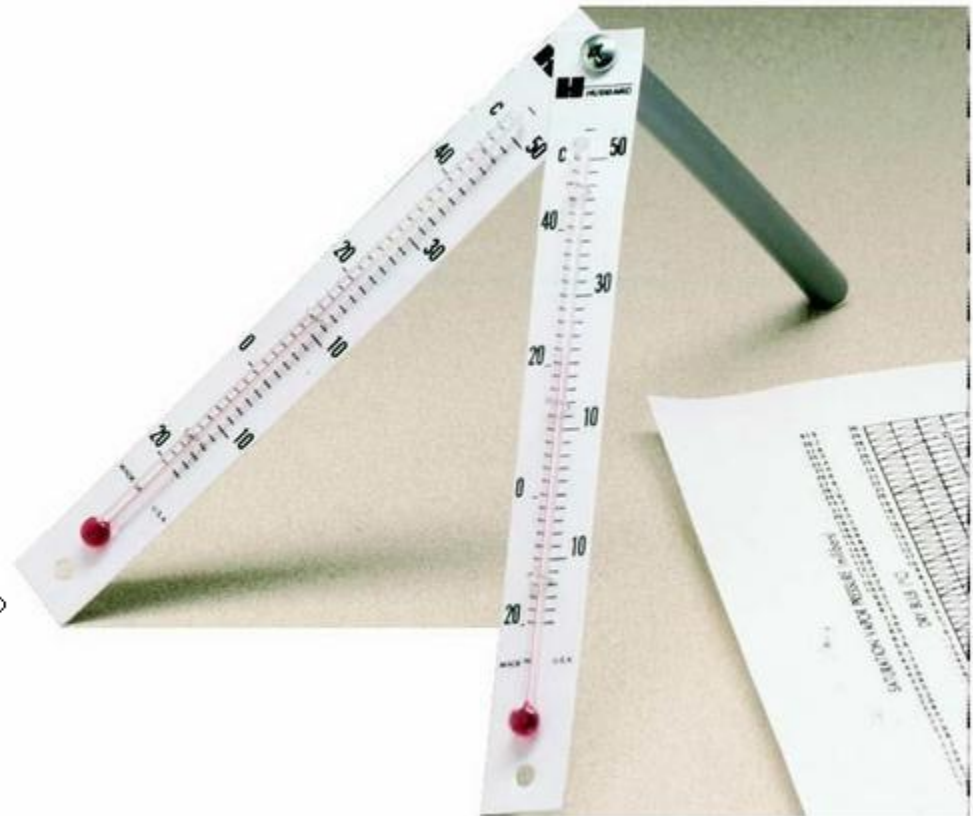
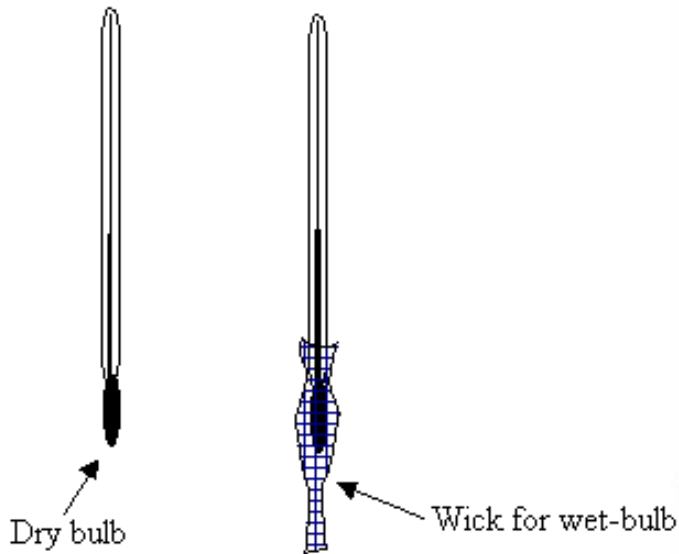
- A low pressure system forms when warm air rises .



5

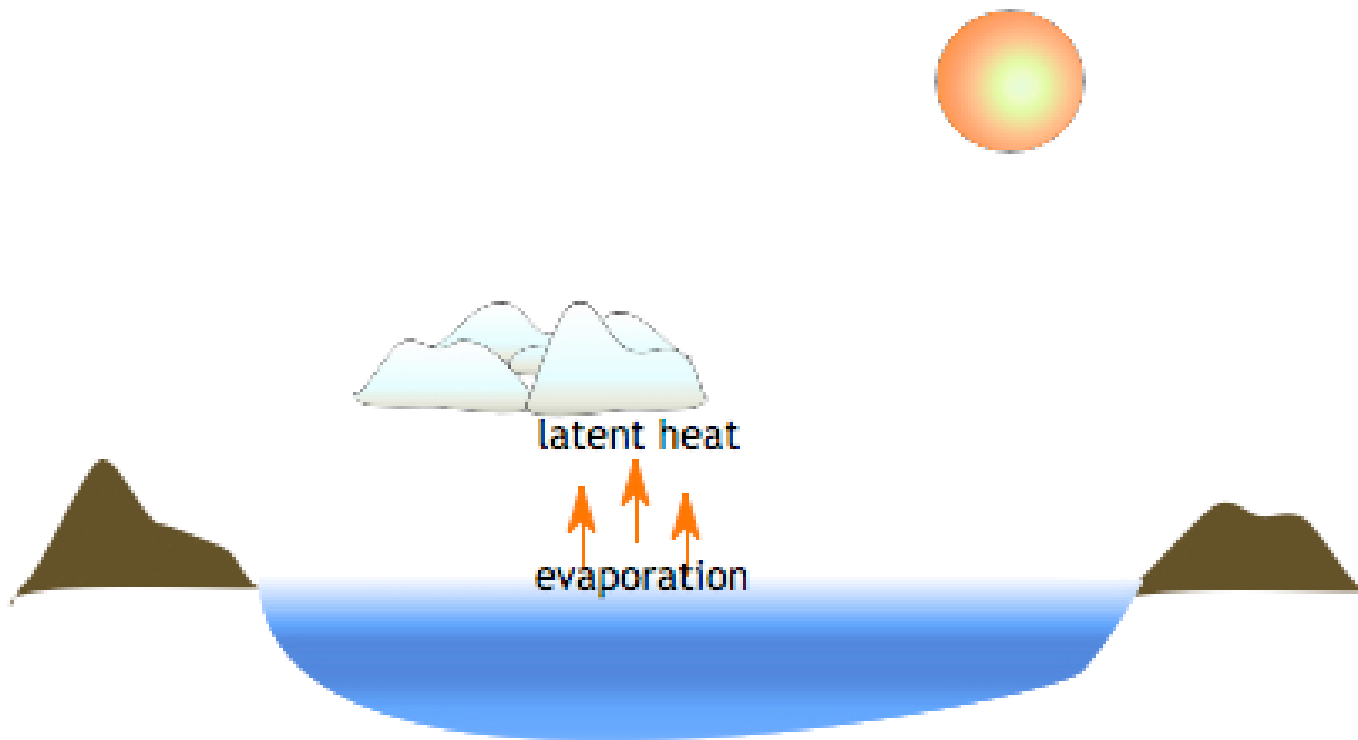
- An instrument that measures relative humidity with two identical thermometers is a psychrometer.

Wet-dry bulb Psychrometer



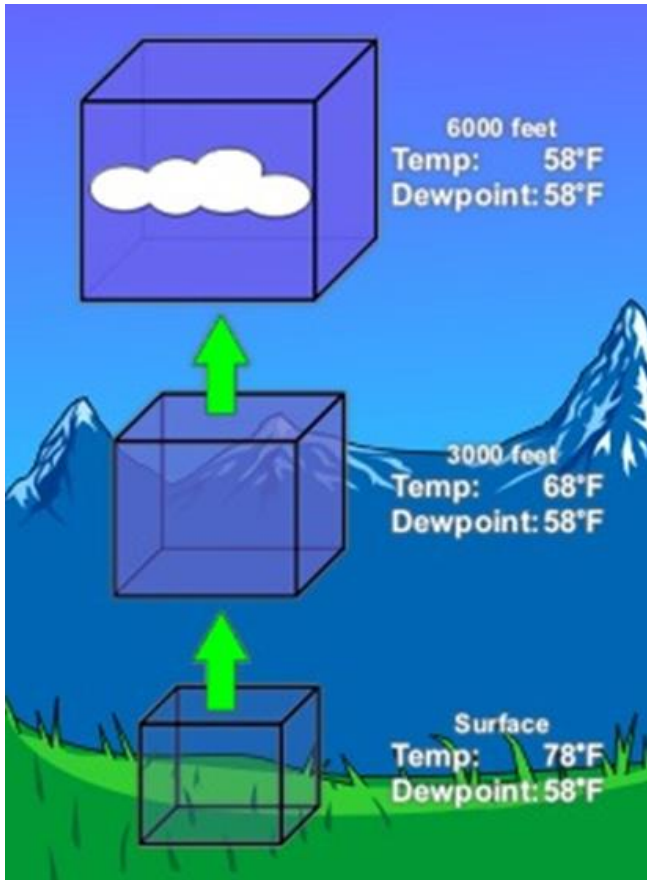
6

- Hurricanes begin when warm, moist air rises and the moisture condenses, releasing energy in the form of latent heat.



7

- When an air mass moves rapidly upward temperatures fall and water vapor condenses.



8

- Clouds that often bring thunderstorms are cumulonimbus .



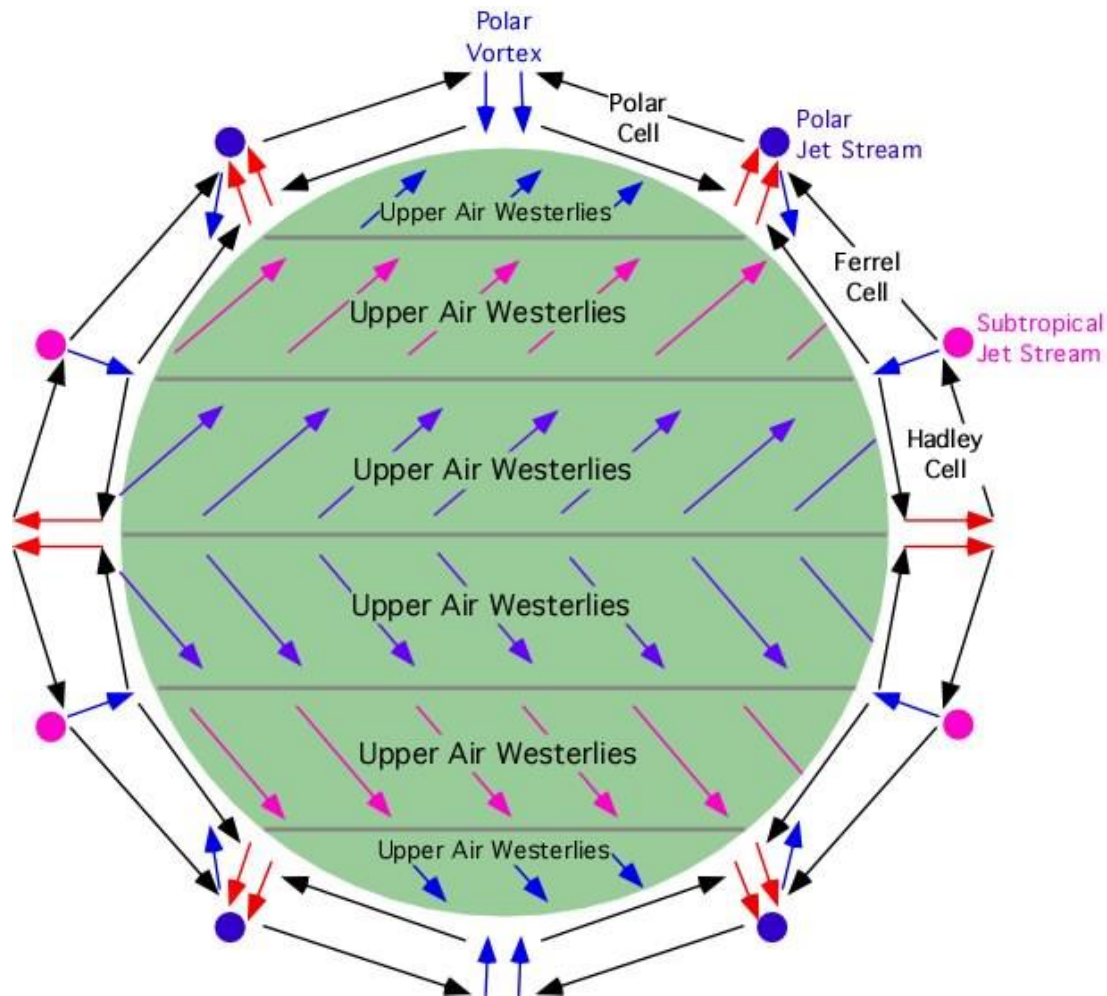
9

- Doppler radar measures precipitation by bouncing radio waves off rain or snow.



10

- Air masses move in the United States move from west to east.



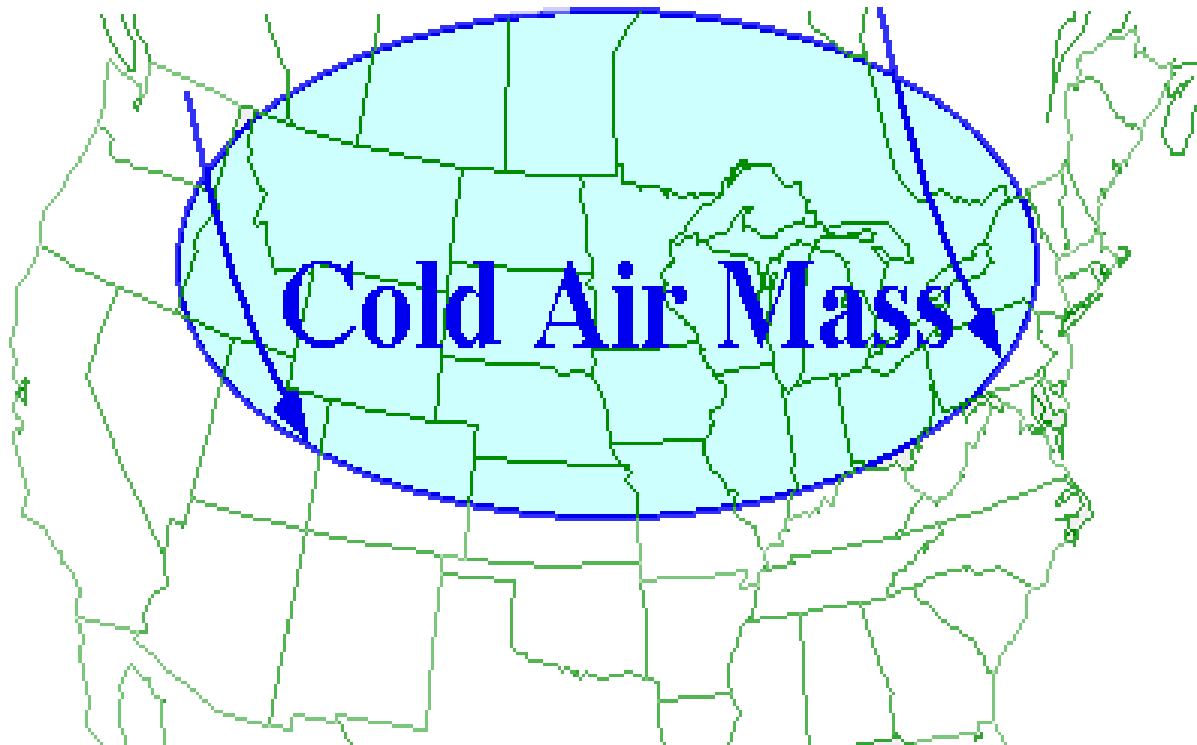
11

- States in the mid-central United States are more likely to have tornados because the cold dry air from Canada contacts warm, moist air from the Gulf of Mexico.



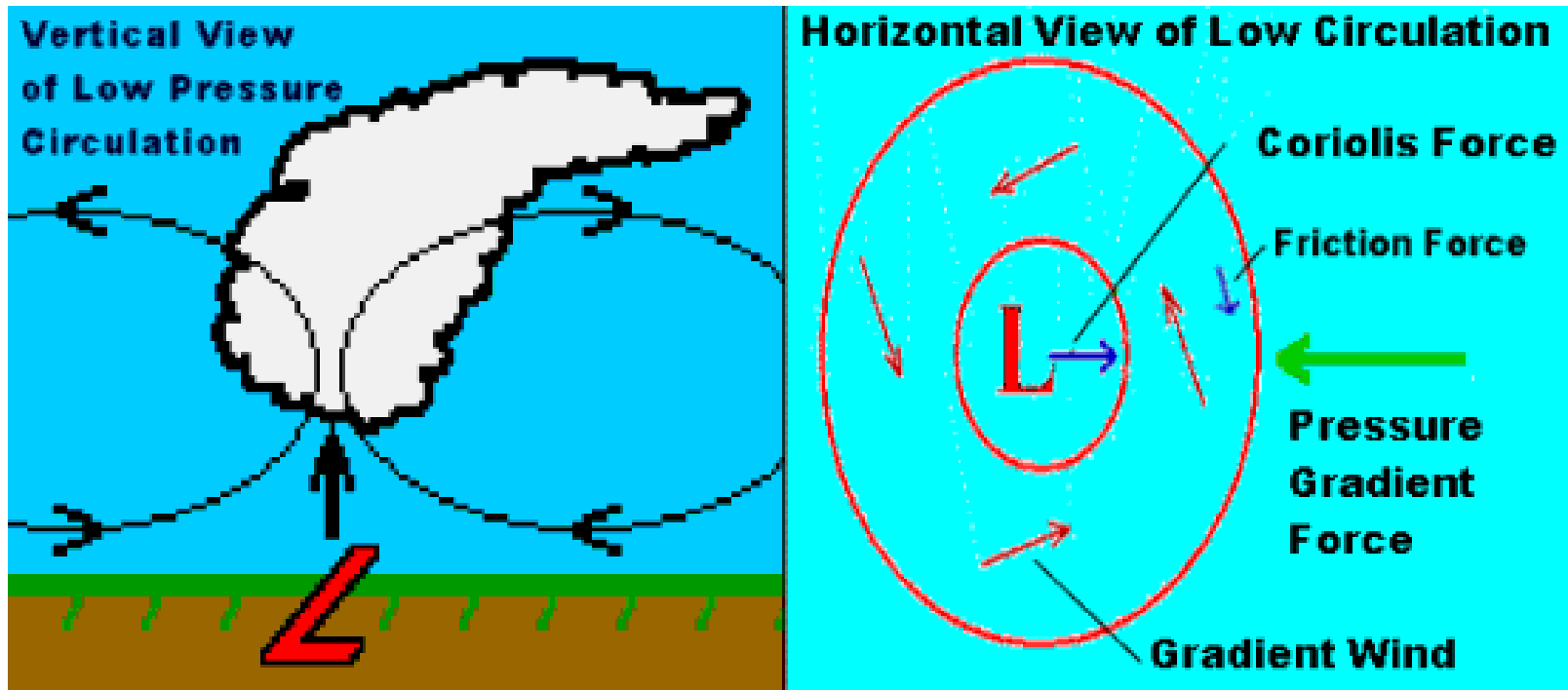
12

- An occluded front forms when a cold air mass overtakes a warm air mass and lifts the warm air mass off the ground and over another air mass.



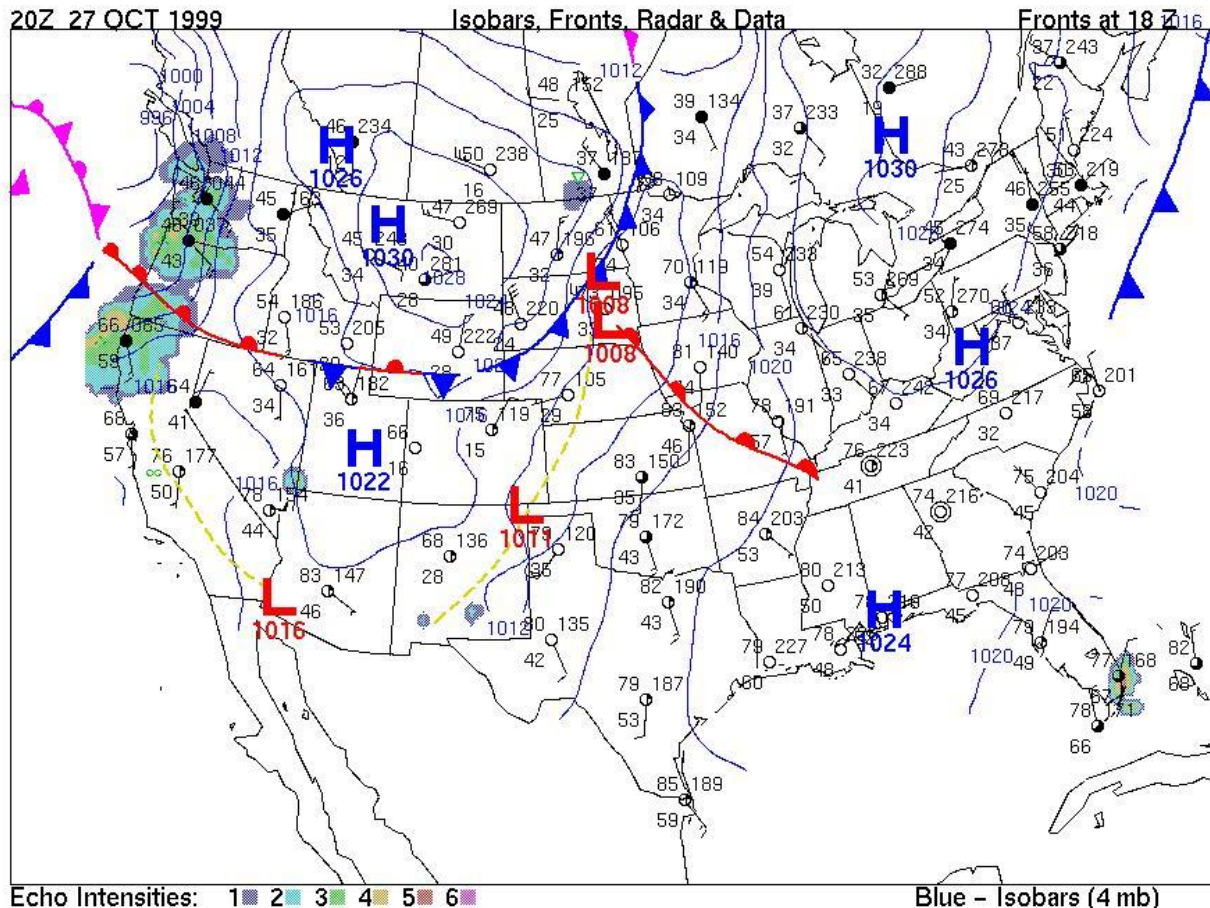
13

- The type of weather associated with an incoming low pressure system would be cloudy, with a chance of storms.



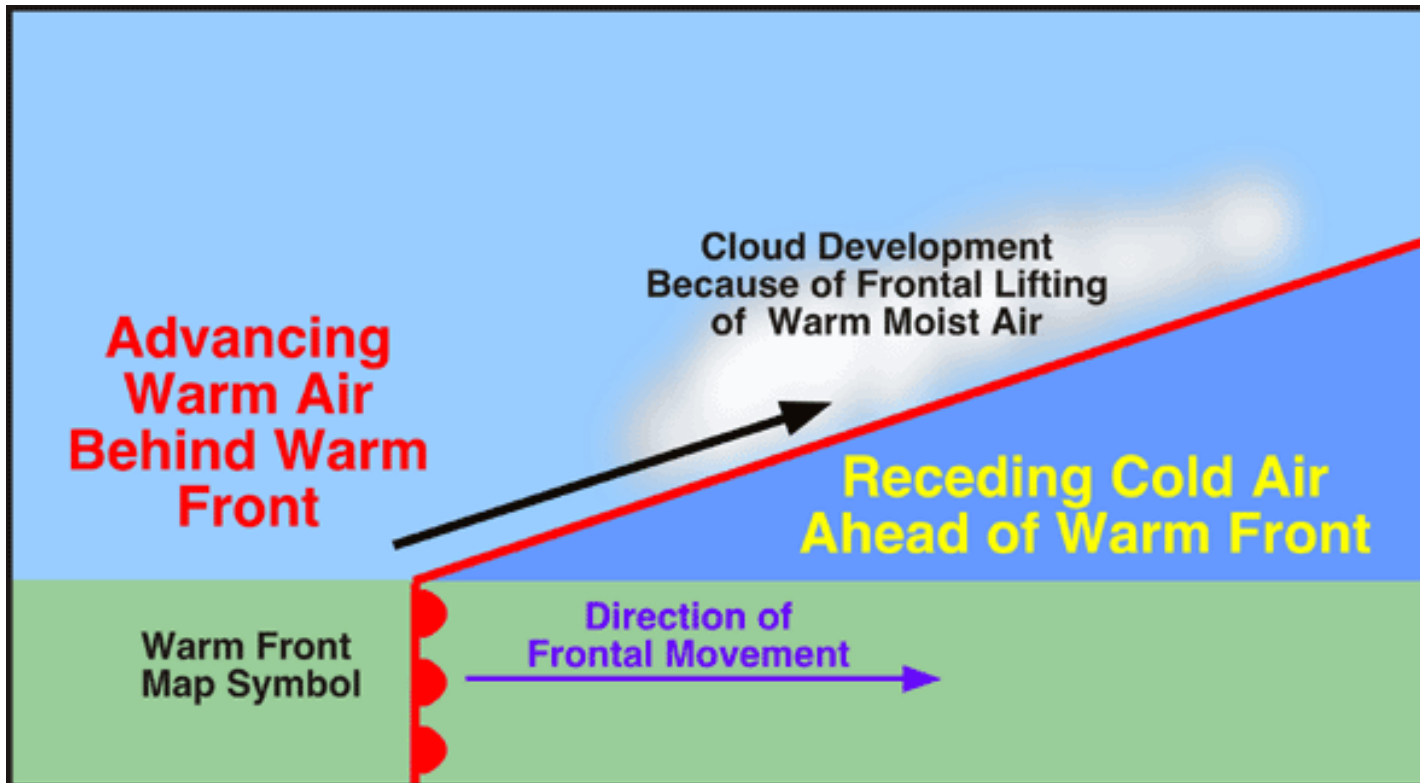
14

- Scientists use colors and symbols to convey information on a weather map.



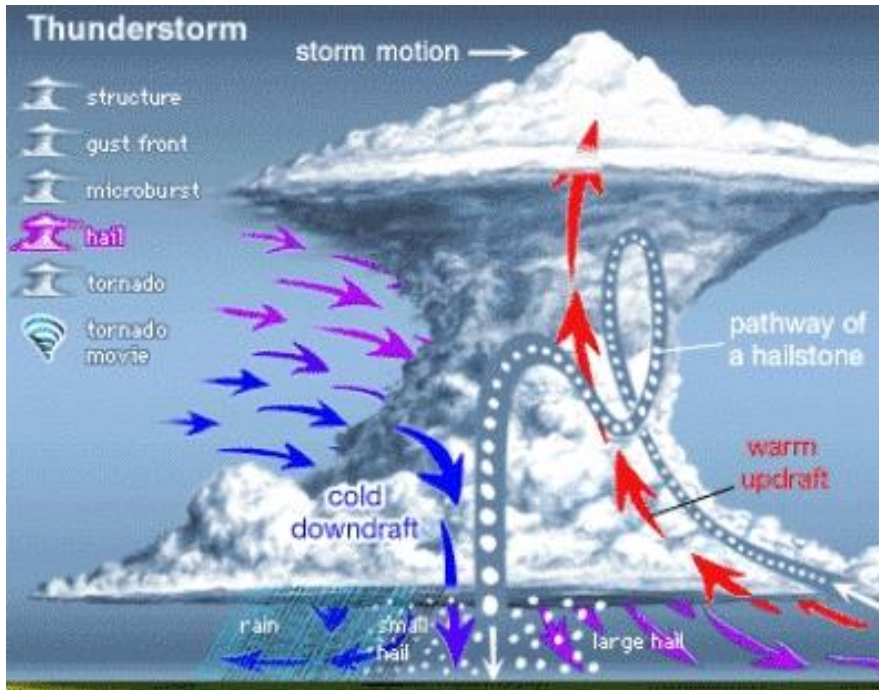
15

- A warm front occurs when warm air moves into cold air.



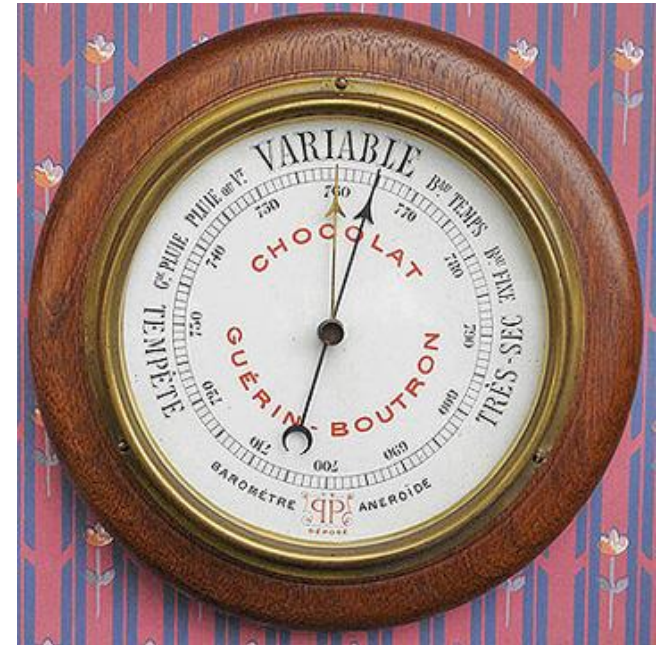
16

- Severe thunderstorms form when a cold air mass comes in contact with warm, moist air.



17

- An instrument used to measure air pressure is a barometer.



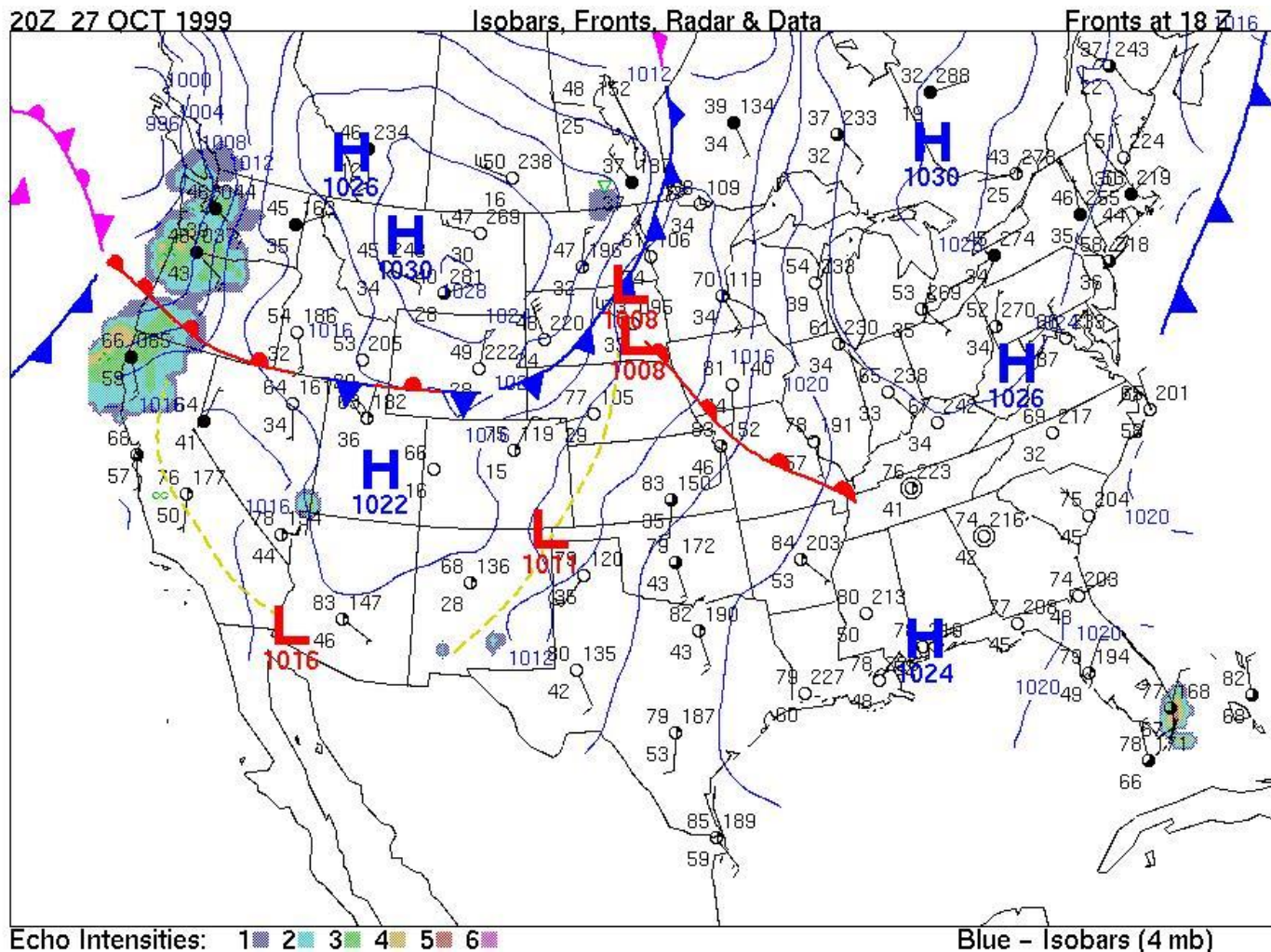
18

- A cloud whose name has the prefix nimbo - or the suffix -nimbus is rain-producing.



19

- Weather map symbols H and L indicate air pressure centers.



20

- The type of air mass that forms in an area depends on the location where it forms.

Air Masses



The End

