

Pressure Cells and Pressure Gradients

Air Pressure Review

What factors affect air pressure?

1. _____
2. Water Vapor (moisture)
3. Elevation



Why did the can implode rather than explode?

High Pressure Systems (Cells)

- Called an _____
- Winds rotate _____ and _____ of a high pressure system in the northern hemisphere
- _____, _____, and _____ air
- _____ air
- Tend to have light winds
- Associated with _____ weather
- Barometer will _____ as it approaches

Summer: clear skies, warm sunshine; **winter:** _____

Low Pressure Systems (Cells)

- Called an _____
- Winds rotate _____ and _____ a low pressure system in the northern hemisphere
- _____, _____, and _____ air
- _____ air
- Can have strong winds
- Associated with _____ weather
- Barometer will _____ as it approaches
- **Summer and Winter:** _____

Pressure Gradients

When two regions have a difference in pressure, the result is _____!

Pressure Gradient: The rate of change of pressure (which relates to the spacing of isobars)

Isobars: _____

Weak Pressure Gradient

- Isobars are _____
- Air pressure is changing _____
- Creates gentle breeze or no wind

Steep Pressure Gradient

- Isobars are _____
- Air pressure is changing _____
- Creates strong winds

