



Wind Pressure

Essential Question

What is Air Pressure

Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

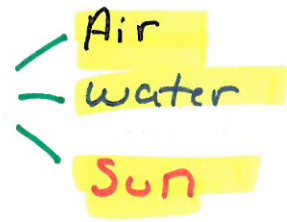
Weather
(define)

- is the present state of the Lower atmosphere & describes current conditions.

Cause of weather

What causes weather?

- it is an interaction b/t



Pressure Systems

- Air mass pushes down creating Atmospheric Pressure on Earth surface.

How pressure moves!

Travels From west to east

Effected

- Effected by:

- 1) Temperature
- 2) H₂O (vapor) → Humidity
- 3) Density (ρ)

$$\rho = \frac{\text{mass (g)}}{\text{Volume (mL)}}$$

Types of Pressure

High



clockwise

Low



counter-clock

direction of spin

Causes of Pressure

Unequal heating of EARTH Surface

NOTES CONTINUE ON OTHER SIDE



Topic/Objective CHAPTER:

NAME:

DATE

Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Low Pressure

- is like a giant funnel of wind
- Spiralling inward and upward forcing warm-ish air towards the center and then to rise, and expands.
- Humidity high → hot damp.
- "Loser" → Poor weather & clouds
- Air is Less Dense. → Snow/Heavy rain storms

Type of Weather
(ρ) density

High Pressure

- Spiralling outward and downward forcing cool air outward and compressing it to sink.
- High Pressure at the center
- "Fair skies" → Clear/Blue sky
- Crisp cool/cold air (Winter time)
- Air is MORE Dense

Type of Weather

(ρ) density

* Pressure

Cold Air Mass has higher Air Pressure than Warm Air Mass

SUMMARY:

(ρ) density

Cold Air Mass is MORE dense than Warm Air Mass