

Aim: Planetary Wind + Moisture Belts

ESRT p.14

Low Pressure (Storms)

(L)

Wet

Warm Air Rises

Clouds

Precipitation

(Lousy)

High Pressure

(H)

Dry

Cool Air Sinks

Clear

Cooler

(Happy)

High + Dry

Winds

1. Winds curve (deflect) due to the Coriolis Effect; due to Earth's Rotation/Spin

North hemisphere winds curve ^{clockwise} Right ↗

South hemisphere winds curve ^{counter clockwise} Left ↖

2. SW winds across USA, cause all weather to move towards the NE →

3. Winds blow from (H)igh to (L)ow Pressure

H → → L

4. 0° = Wet. Winds converge. Air Rises.
Low Pressure. Warm-Cloudy

5. $30^\circ N$ = Dry. Diverging Wind. Air Sinks.
High Pressure. Cool-Dry

Wind Facts



① Named Based on where they come from



EX USA  SEA \rightarrow NE

② Converging Rise, Low Pressure

③ Blow H to L

④ Curve due to Rotation
Spin Coriolis

⑤ North Hemi Curve R  Clockwise 

South Hemi Curves L  Counterclockwise 

Et Steam upper level winds moving NE \rightarrow