

Topic: Atmospheric Variables

Aim: What are the properties of high and low pressure centers?

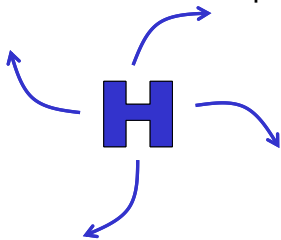
Pressure Centers -

Isobars form circles (“bulls-eyes”) around high or low pressure centers on a pressure map.

1. High Pressure Systems

- a. anticyclones
- b. zones of sinking and diverging air
- c. surface winds circulate outwards and clockwise

local surface wind pattern:

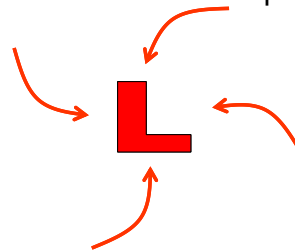


- d. “cooler”, drier, nice weather

2. Low Pressure Systems

- a. cyclones
- b. zones of converging and rising air
- c. surface winds circulate inwards and counter-clockwise

local surface wind pattern:



- d. “warmer”, wetter, cloudy, rainy weather conditions

Always Remember:

“cool and dry at the high, sunny sky”
“rain and snow at the low” and “AHOC”

Anticyclone
High
Outward
Clockwise

& “CLICC”

Cyclone
Low
Inward
Counter
Clockwise