

7° 2014

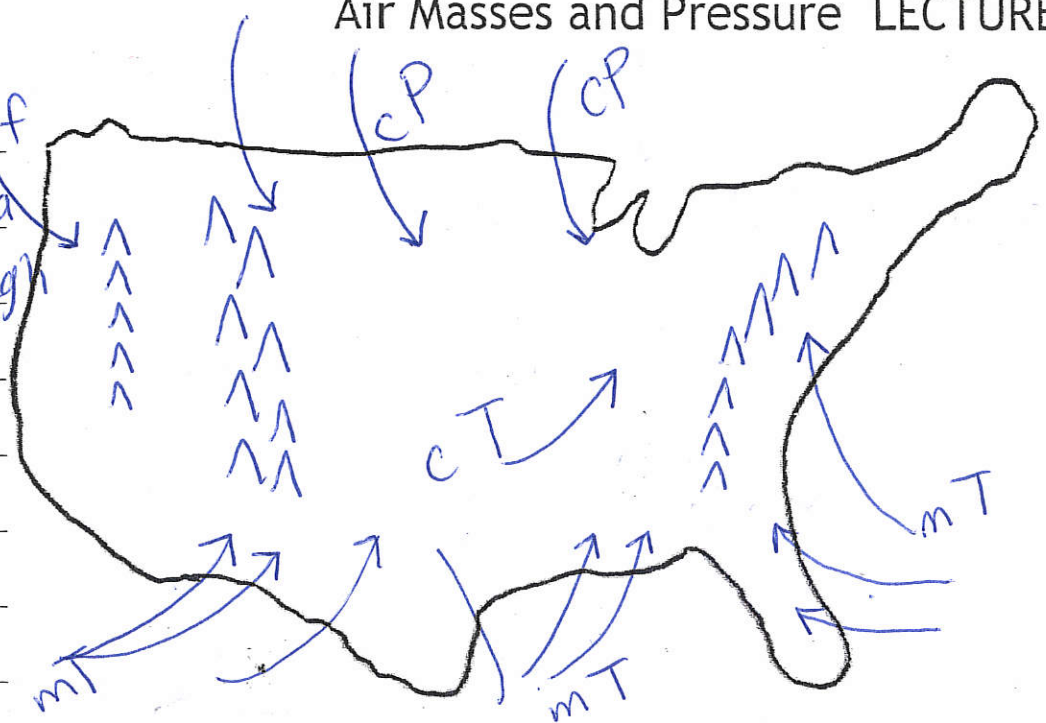
EN

# Air Masses and Pressure LECTURE

Air Masses:

bodies of air that "sit" in a region long enough to take on the conditions of that region

- 1) temp
- 2) humidity



Types of Air Masses:

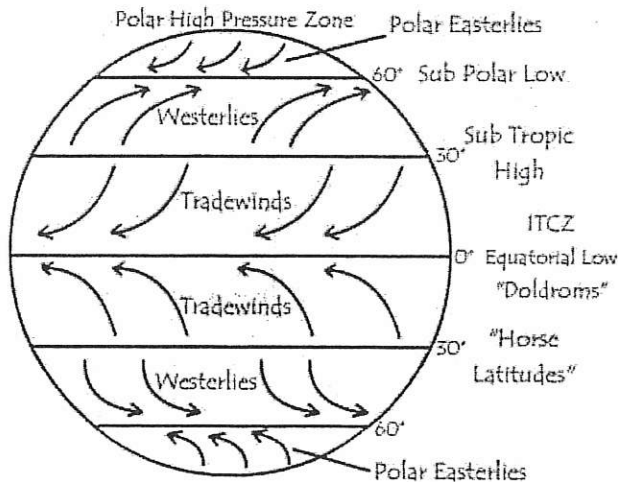
**Maritime Tropical (mT)**: formed over warm water bringing warmth and moisture

**Continental Tropical (cT)**: formed over land bringing warm and dry air

**Maritime Polar (mP)**: formed over cool H<sub>2</sub>O bringing cool and moist air

**Continental Polar (cP)**: formed over land bringing cold and dry air

(doesn't carry as much H<sub>2</sub>O as mT)



Note: At high and low pressure zones, most air movement is vertical, not horizontal

**\* Memorize**

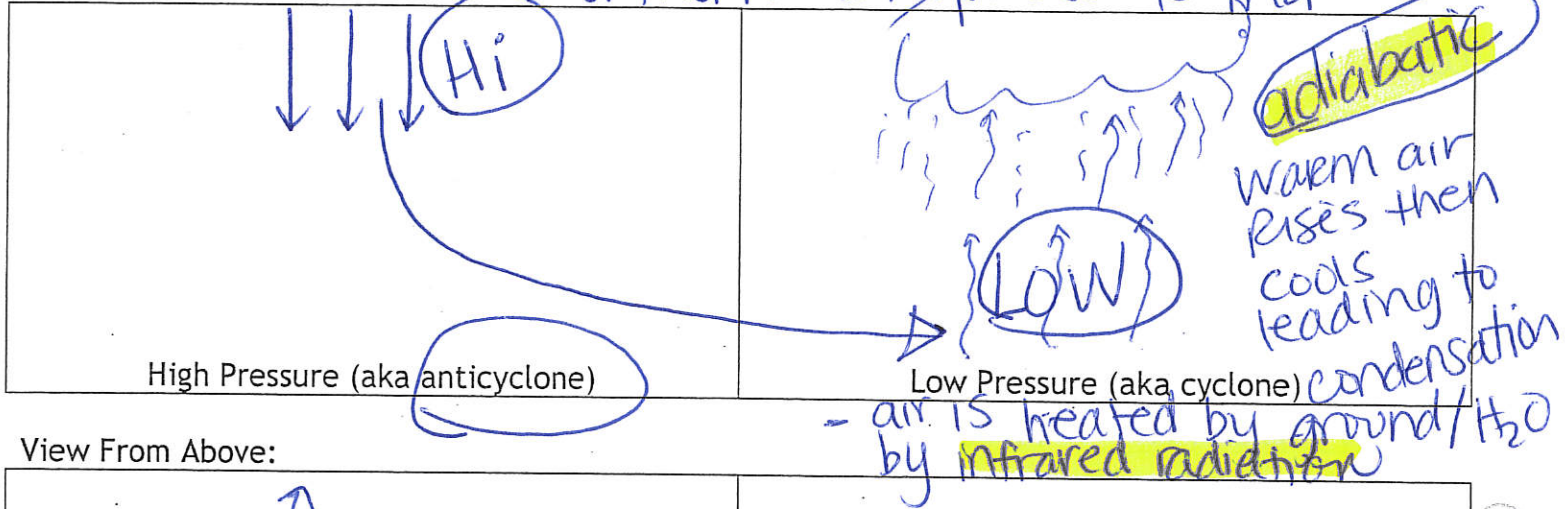
- name
- be able to draw wind belts
- understand

**Pressure Systems:**

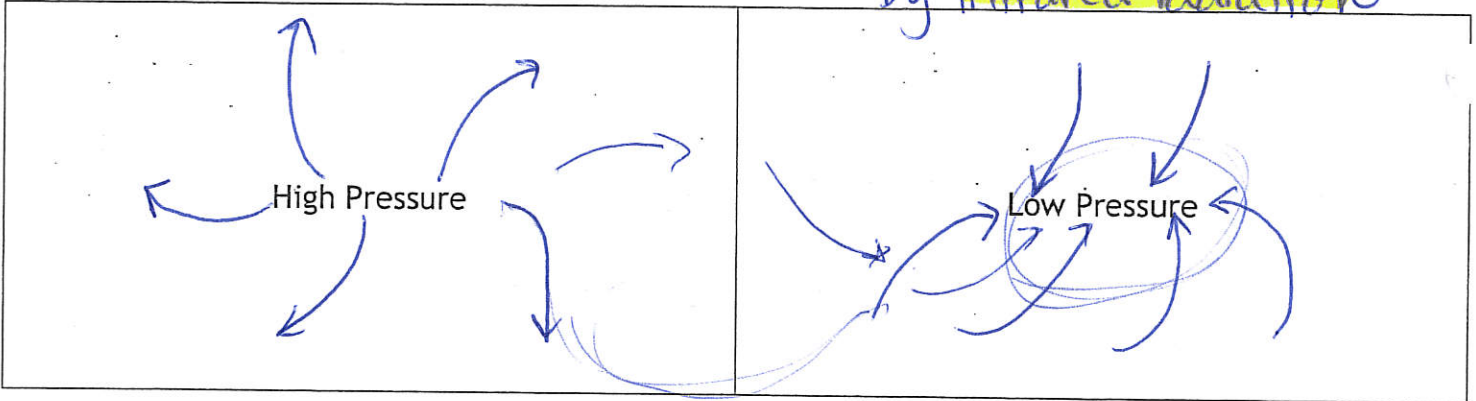
High Pressure: cool, clear  
more dense dry  
\*sinks fast → goes down

Low Pressure: warm, less dense  
more humid (more H<sub>2</sub>O)  
→ rises (goes up)

View From the Side:



View From Above:



The reason these winds are bent is the Coriolis effect.

due to rotat

