

## Bellringer **REVIEW**:

1. What are the five major things we measure for weather observation?

## Learning Objectives:

- I can identify the differences between high and low pressure systems.
- I can interpret current weather conditions to determine whether it is a high or low pressure system.

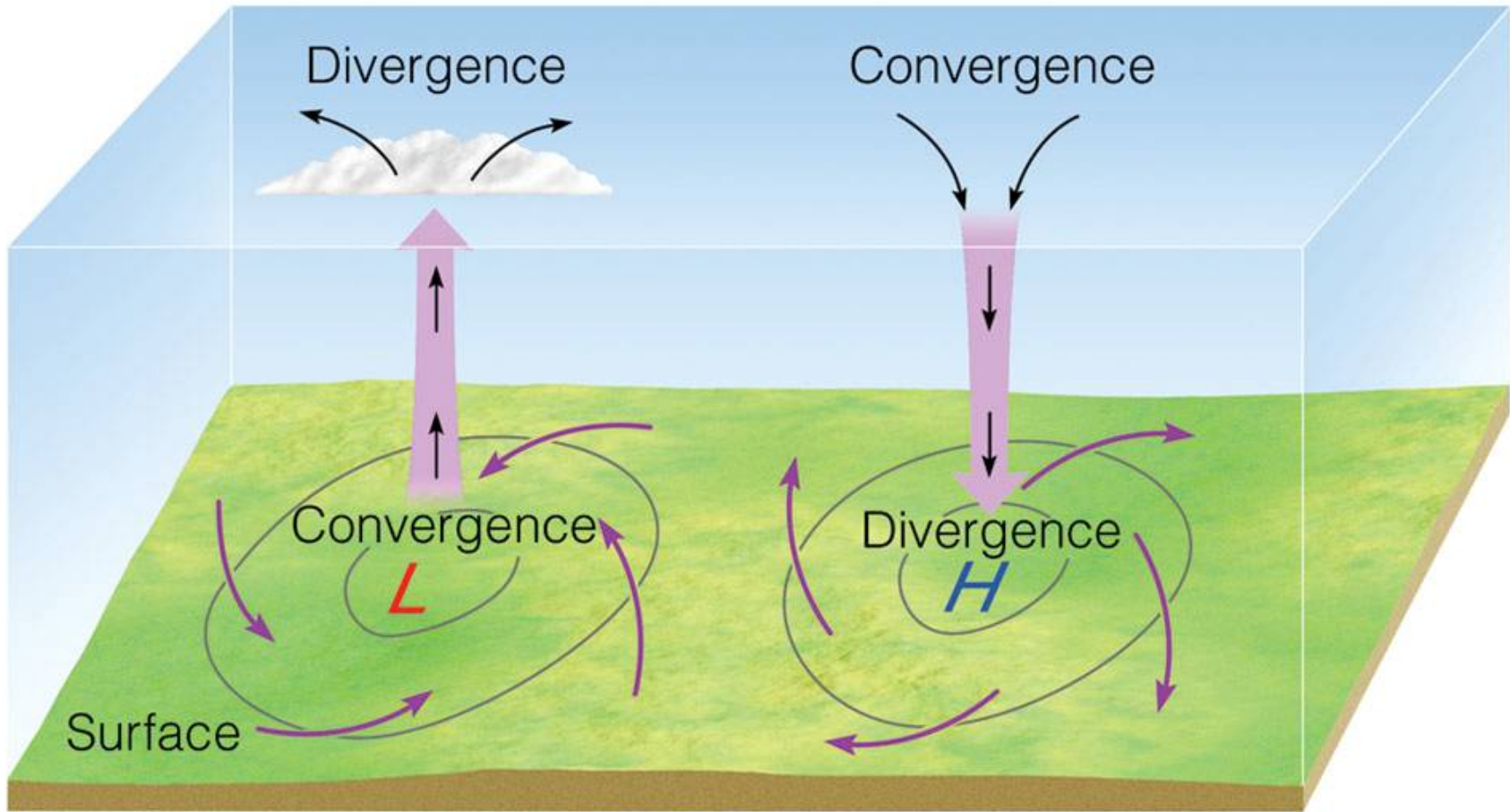
## Check for Understanding Questions:

- What causes high pressure systems?
- What's an effect of a low pressure system?

## 4 ways the Atmospheric Pressure affects your health

















1. When atmospheric pressure decreases, your blood pressure drops. Low temps cause your blood vessels to narrow, meaning on the whole, blood pressure is lower in the summer.
2. Sudden changes in barometric pressure, such as the switch that occurs right before a storm, can trigger joint pain. Cold weather can also cause painful changes in joint fluid thickness, some research has found.
3. Barometric pressure can be a headache for some, though the reason is unclear. It might affect the pressure in the brain or the way the brain blocks pain, or it might be evolutionary, as it keeps humans in tune with their environment.
4. When barometric pressure, or the weight of the air pressing down on the surface of the earth, changes, many people feel it acutely in their sinuses.

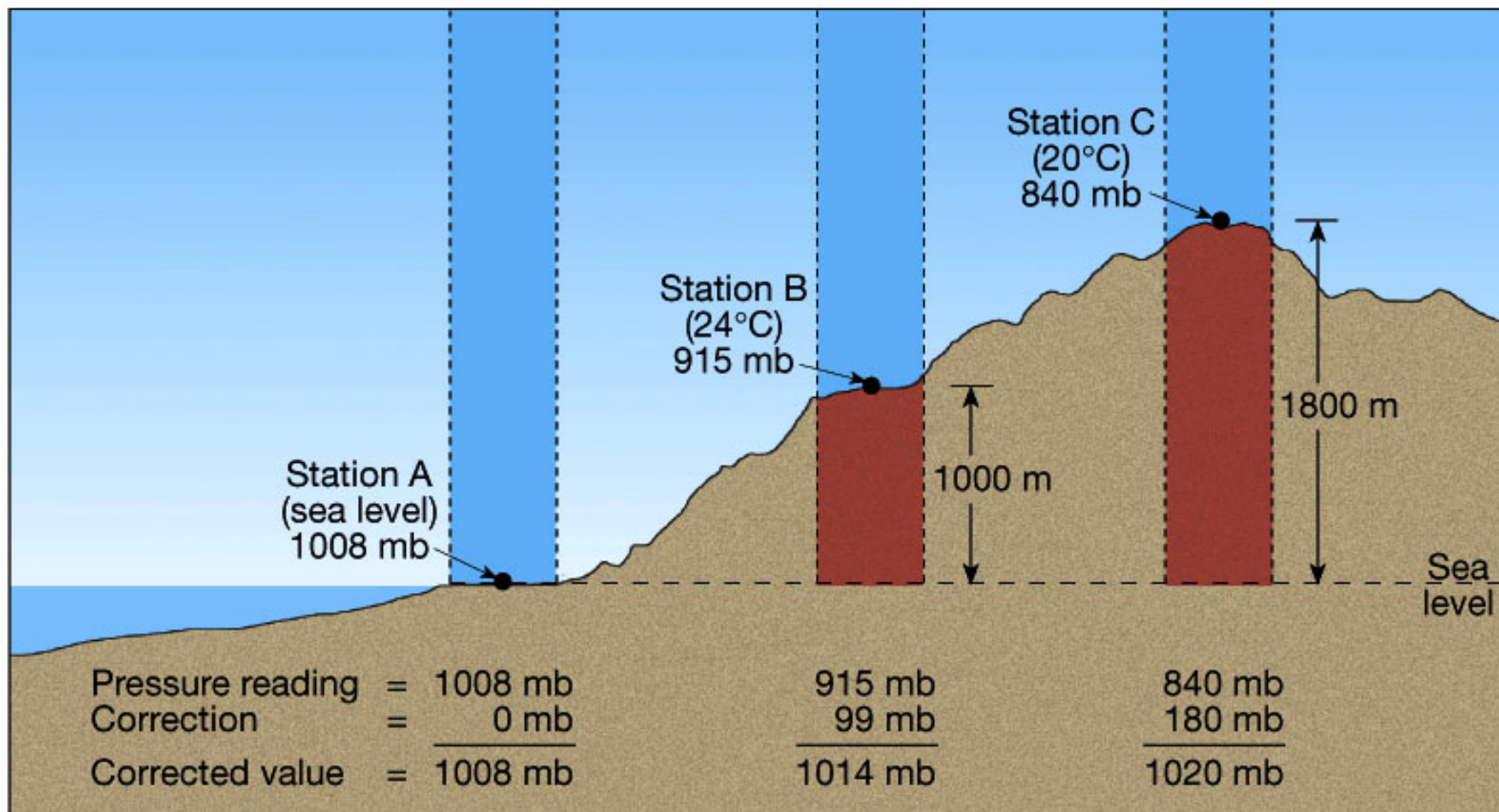




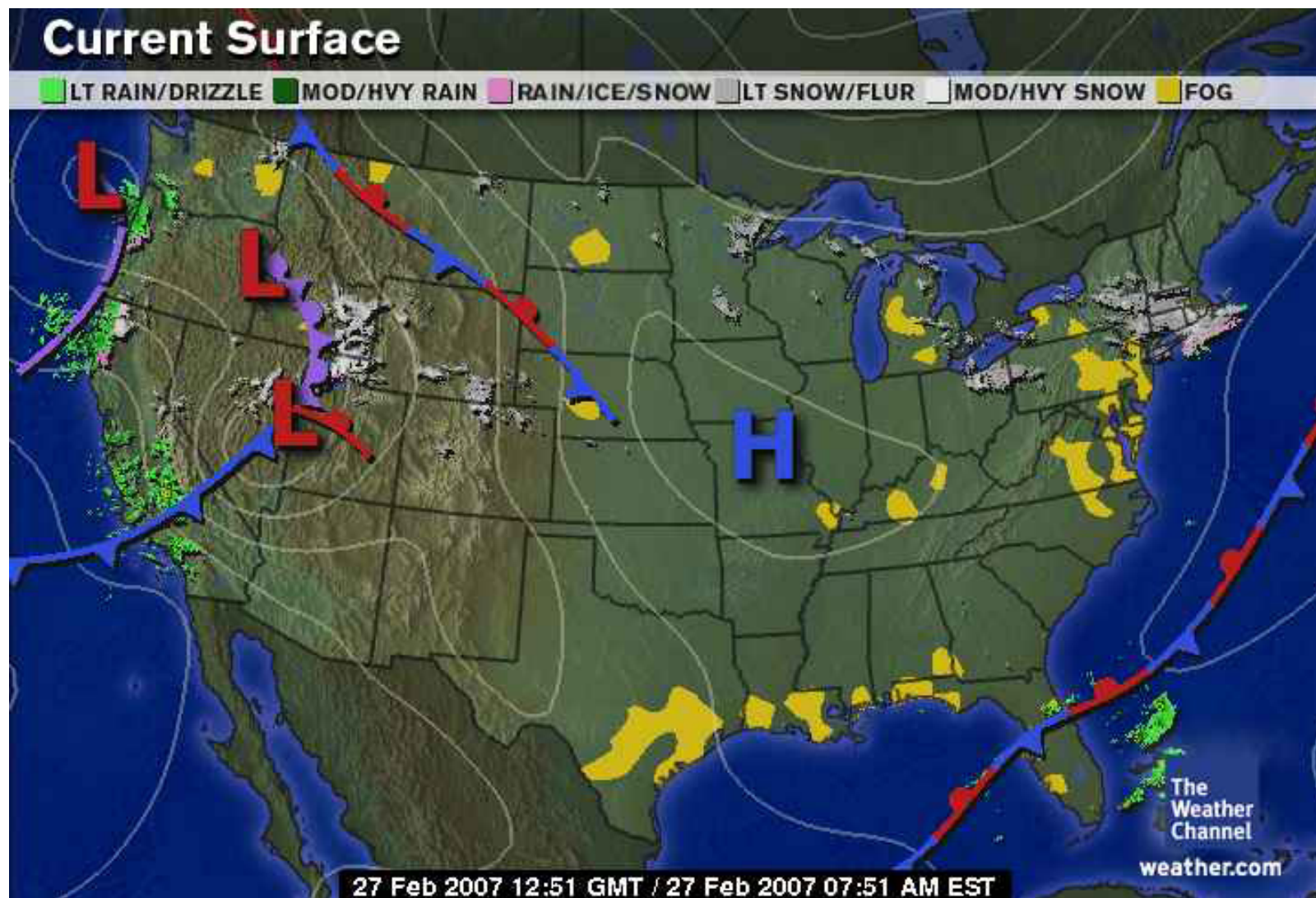
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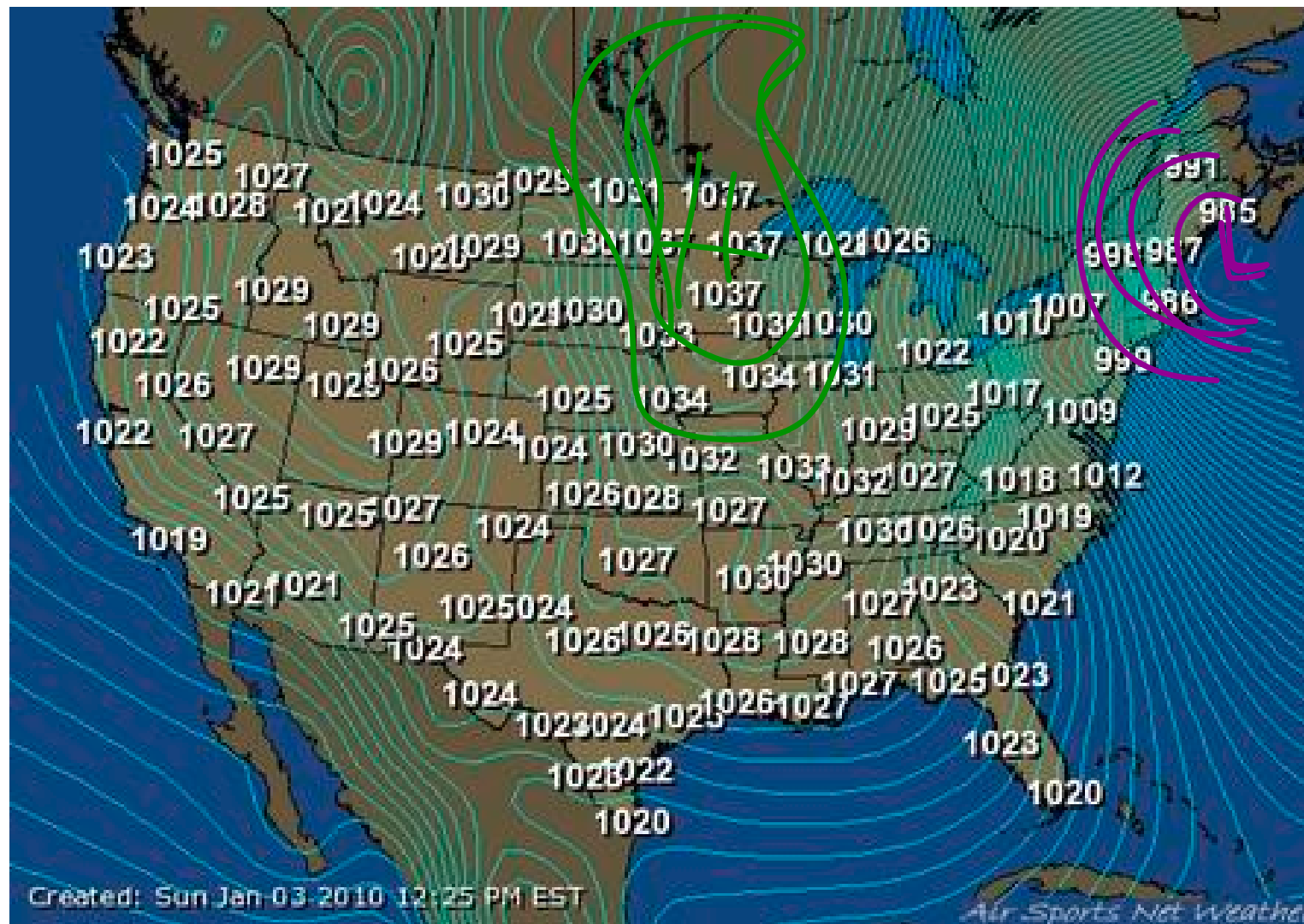
# Factors Affecting Air Pressure

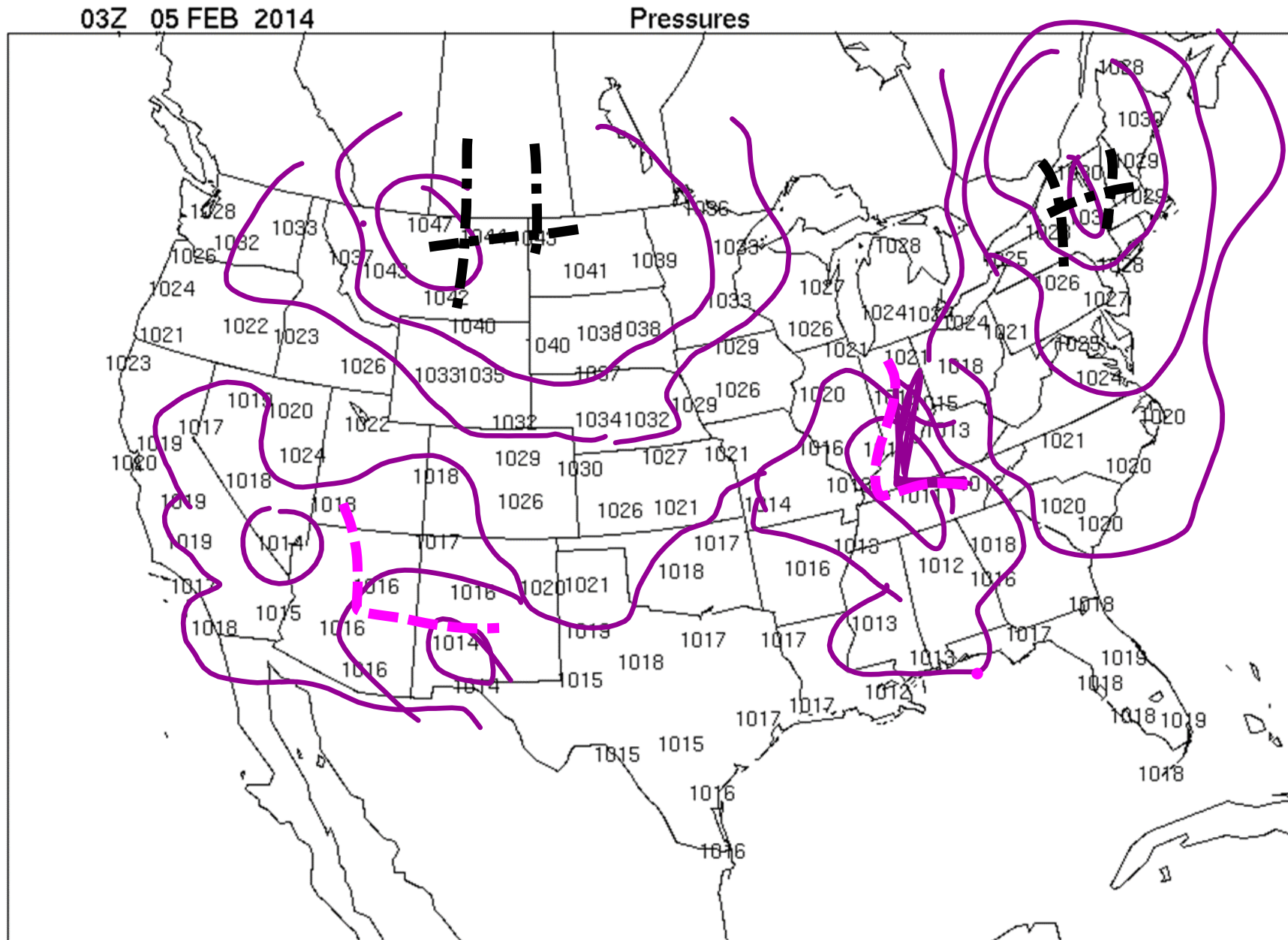
FACTOR	Increase/Decrease	Air Pressure
Density		
Density		
Temperature		
Temperature		
Water Vapor		
Water Vapor		
Altitude		
Altitude		









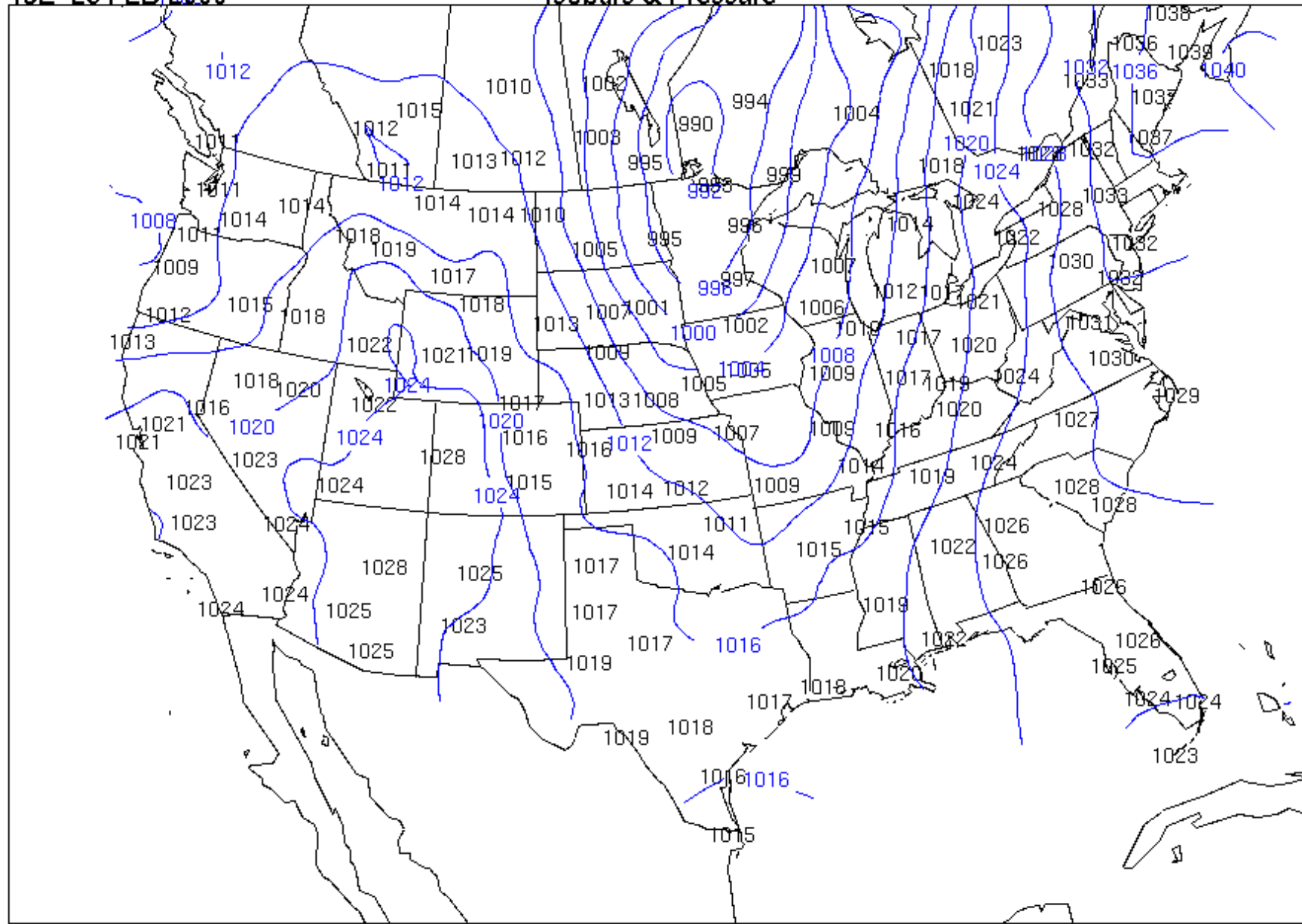


NCEP/NWS/NOAA



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Isobars & Pressure



Blue - Isobars (4mb)

## Check for Understanding Questions:

- What causes high pressure systems?
- What's an effect of a low pressure system?

## Learning Objectives: Did you accomplish them?

- I can identify the differences between high and low pressure systems.
- I can interpret current weather conditions to determine whether it is a high or low pressure system.

## Self-Evaluation

- How well did you understand the material today?  
(1-Lost, 2- understand, 3-can teach it)
- How well did you and your team members participate in class?  
(1-didn't do anything, 2-Bare minimum, 3-fully participated)