

# PRESSURE CENTERS

# Pressure centers

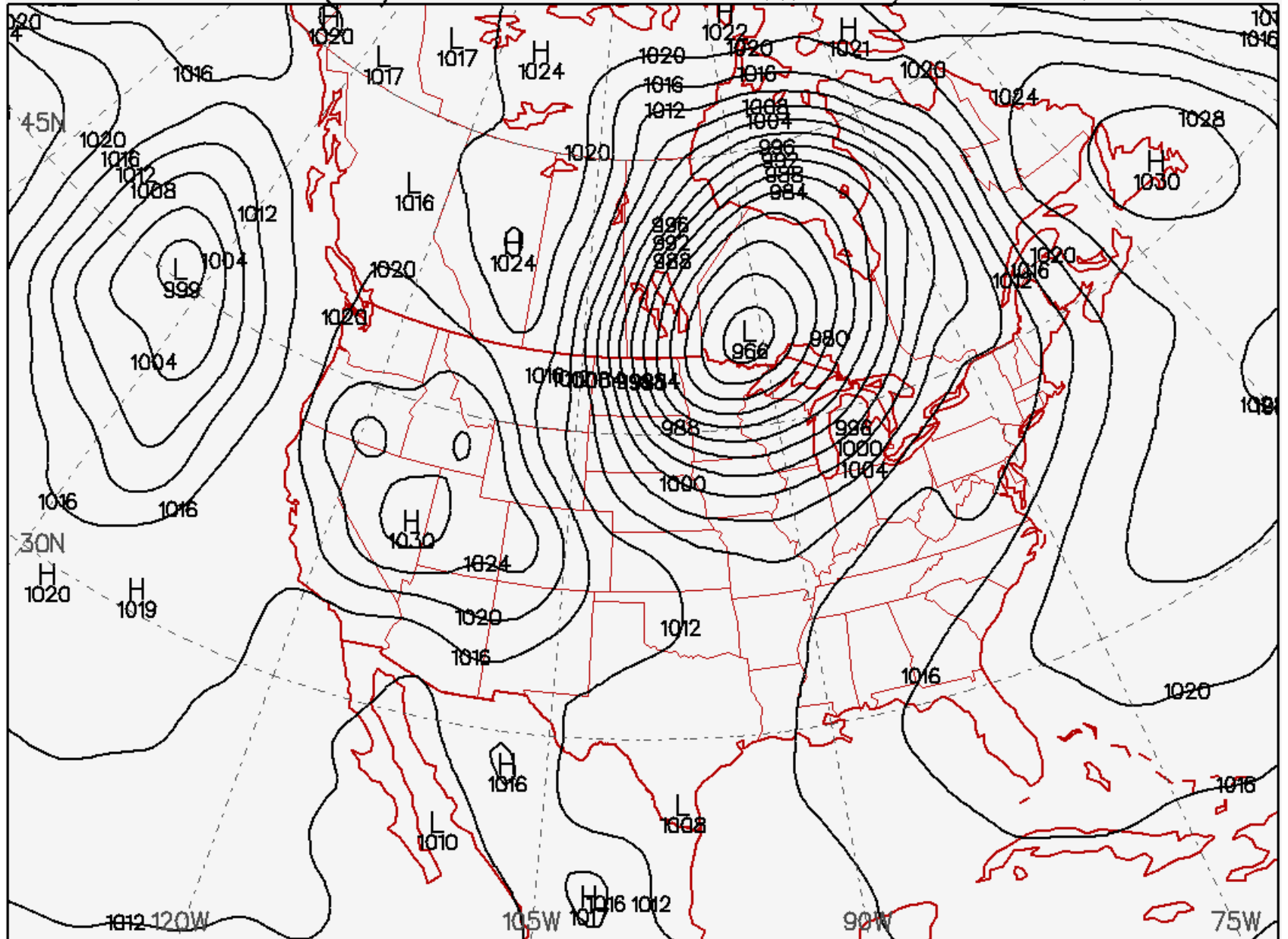
- Winds will blow around areas of high pressure and low pressure.
- How fast the wind moves depends on the amount of pressure in the center of the area.
- Classification = low pressure centers and high pressure centers

# Highs and Lows

- A center of low pressure is called a cyclone = BAD
- A center of high pressure is called an anticyclone = GOOD

Sea-Level Pressure (mb)

Avn analysis for 1200Z 27 OCT 10



Contour Interval: 4 mb

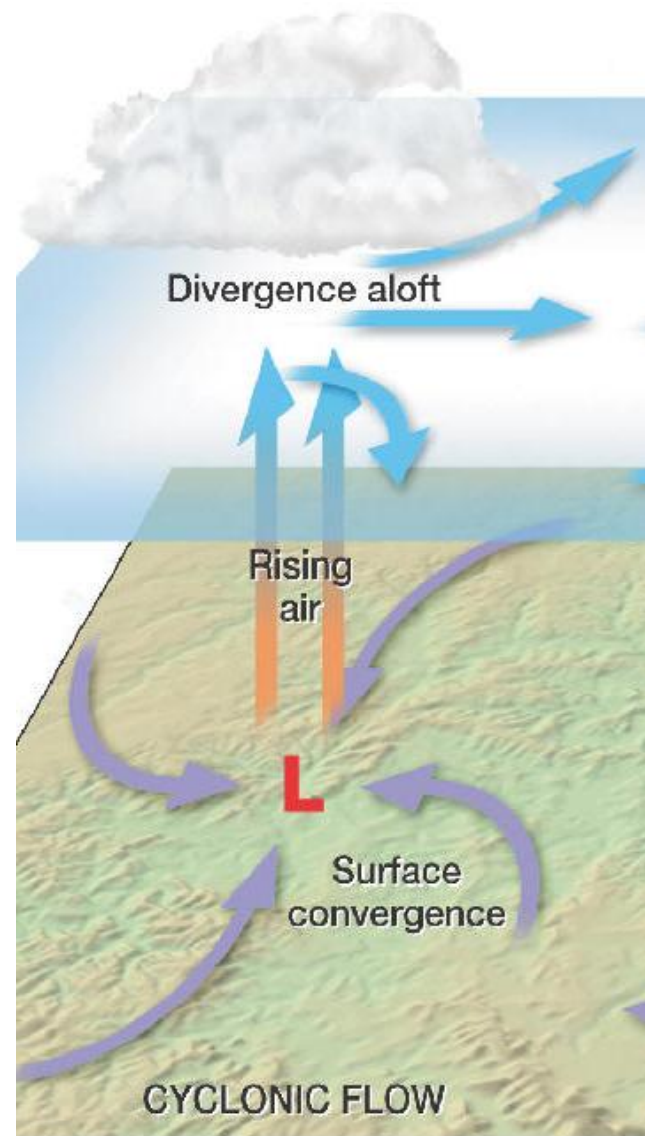
Figure 1

LO: 951.9 HI: 1036.6

# Cyclone= Low Pressure Center

In a cyclone (L) = the air pressure will decrease from the outer isobars towards the center.

Pressure is lowest in the center of a cyclone (because warm air is rising away)



# Anticyclone= High Pressure Center

In an anticyclone (H)= the air pressure will increase from the outer isobars towards the center.

Pressure is highest in the center of an anticyclone- (cold air sinks)

