

E. Low Pressure Systems / Cyclone are flows of air that are counter clockwise that move in a curved path. The air moves towards the center of the low pressure. *Steady weather*

F. High Pressure Systems / Anticyclone are flows of air that are clockwise that move in a curved path. The air moves outward from the center.



G. Jet Streams are bands of ~~eastward~~ moving air made by convection cells within the atmosphere. The winds can blow up to 200 mph. Jet streams help steer weather patterns across our continent.



Weather Forecasting

- Synoptic weather forecasting using charts, maps, and computers. Statistical weather forecasting by looking at past weather.
- Weather patterns become evident when weather variables are observed, measured, and recorded. (for long time)
- Atmospheric moisture, temperature and pressure distributions, jet streams, wind, air masses, and frontal boundaries, and the movement of cyclonic systems and associated tornadoes, thunderstorms, and hurricanes; occur in observable Patterns.
- RADAR is Radio Detection And Ranging bounces electromagnetic energy off of clouds to get images on a computer.
- Doppler Radar is a special type of radar that gives accurate readings and is able to determine the conditions necessary for tornadoes.
- Satellite images show the position of clouds and storms as they travel over the earth.

