

Earth & Space

- b) Wind vane:
 - c) Aneroid barometer:
 - d) Cup anemometer:
 - e) Barograph:
2. List and describe the three forces that control the wind.
- 1)
 - 2)
 - 3)
3. On Figure 17.1, complete each of the map views of the four pressure-center diagrams by labeling the isobars with appropriate pressures and drawing several wind arrows to indicate surface-air movement.

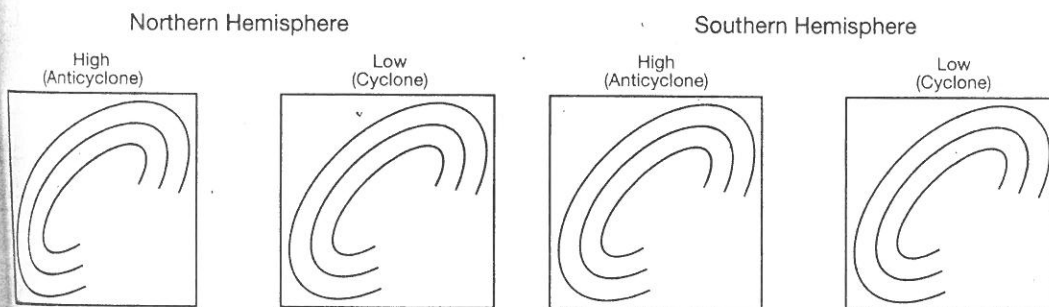
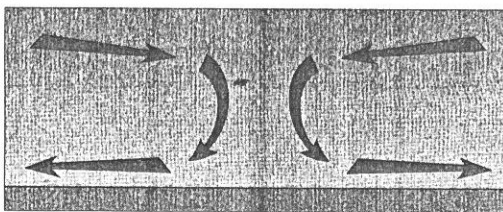


Figure 17.1

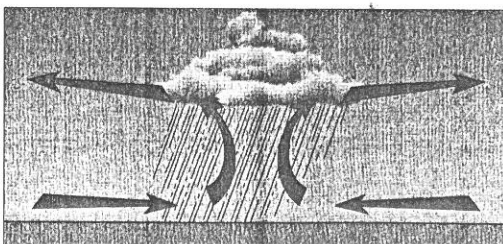
4. Referring to Figure 17.1, describe the general surface-air flow associated with each of the following pressure systems.
- a) Northern Hemisphere low (cyclone):
 - b) Southern Hemisphere high (anticyclone):



A.

5. Figure 17.2 illustrates side views of the air movements in a cyclone and an anticyclone. Using Figure 17.2, select the letter of the diagram that illustrates each of the following.

- a) Cyclone: _____
- b) Convergence aloft: _____
- c) Surface convergence: _____
- d) Anticyclone: _____
- e) Divergence aloft: _____



B.

Figure 17.2