

Pressure Gradient Force

The map below shows the sea level pressure pattern on a particular day.

1. There are ten black dots on the map. Draw an arrow at each dot to represent the pressure gradient force at that location. The length of the arrow should be proportional to the strength of the force (e.g., stronger force means a longer arrow).
2. Place an H in the location of the high pressure center.
3. Place an L in the location of the low pressure center.
4. Wind does not blow directly from high to low pressure. Come up with one reason why this is so. (Just guess if you are not sure.)

