Weather Practice 2018 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Illustrate a Hadley, Ferrel, and Polar Cell. What drives these convection currents? (include & explain the term “differential heating”)

2. Describe each of the 5 different air masses.

3. Explain, in your own words, how air masses move (include the terms convection, Coriolis effect, and pressure).

For the following questions, reference the map:

4. For each of the locations B - E, describe the current temperature, wind direction, and level of precipitation, as well as the changes you would expect to experience over the next several hours at that location.

 B - Current -

 Future -

 C - Current -

 Future -

 D - Current -

 Future -

 E - Current -

 Future -

5. If you were to walk the path from A to A', what changes would you experience in temperature, precipitation, and wind direction?