

Check Your Understanding: Weather

Name: _____

The map to the right shows atmospheric pressure across the United States at some unknown date. The lines on the map represent lines of equal pressure (called *isobars*); the pressures are given in millibars. For example, if you look at the line that is labeled “1012” – every point that lies on that line has an air pressure of 1012 mb, if you move to the north off of the line, you will experience higher pressure, if you move to the south off of the line, you will experience lower pressure.

- There is one low pressure cell and one high pressure cell on this map, label each with the appropriate symbol (**L** for low pressure, **H** for high pressure).
- Draw an arrow on this map showing the direction of the wind.
- Clearly label the location on this map that is most likely to have clouds and precipitation.
- Clearly label the location on this map that is most likely to have fair skies.
- Explain the process that causes clouds to form:

