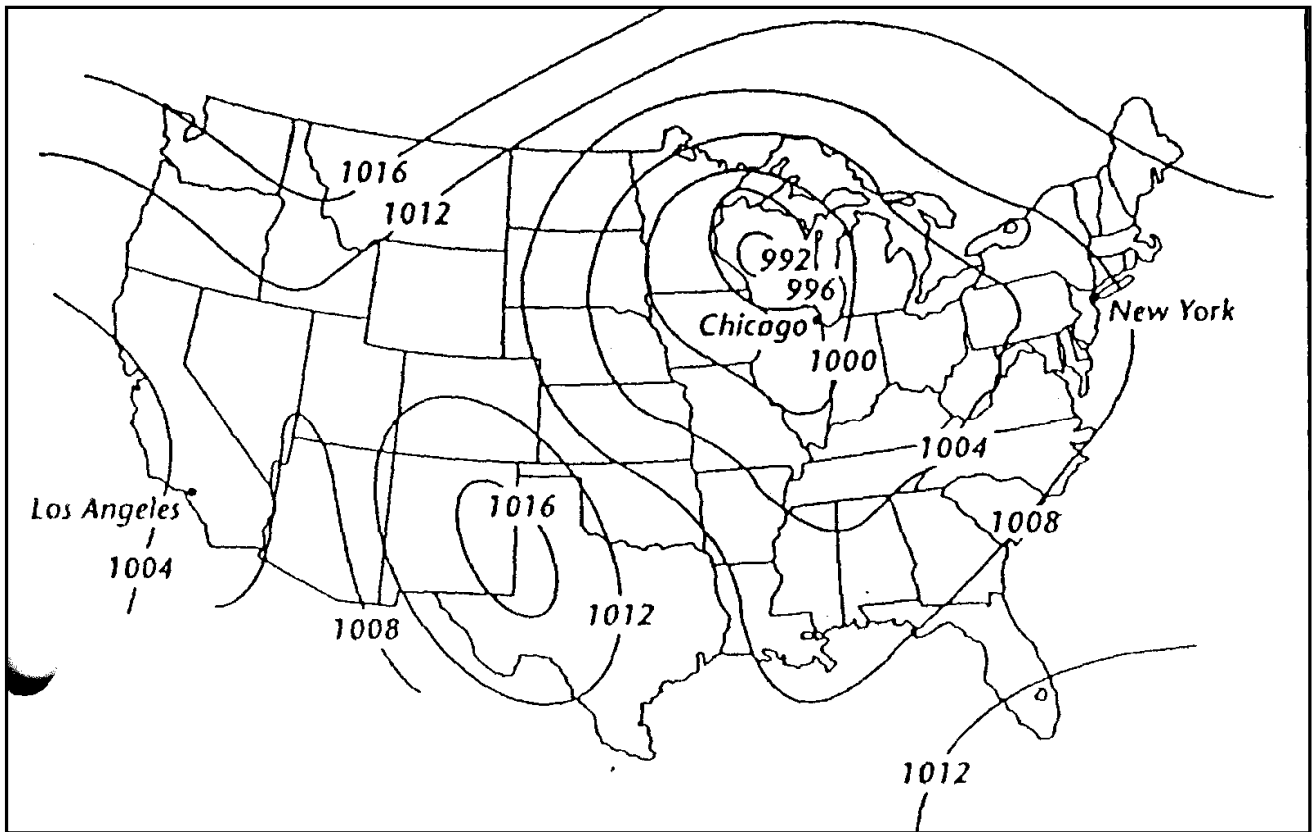


Name: _____

Date: _____

Isobars and Air Pressure

Air pressure is an important factor affecting weather. Changes in air pressure help weather forecasters predict how the weather will change. Air pressure readings from barometers are shown on weather maps, like the one below, with lines called isobars. Isobars are drawn to connect areas that have the same air pressure.



Refer to the map to complete the following statements.

1. Each isobar differs from the next isobar by _____ millibars.
2. The lowest air pressure reading on the map is _____ millibars.
3. Where this low pressure occurs, the weather is likely to be _____
4. The highest air pressure reading on the map is _____ millibars.
5. This high-pressure area is likely to be experiencing _____ weather.
6. An area of _____ air pressure is centered northwest of Chicago.
7. The air pressure in Chicago is about _____ millibars.
8. The air pressure in Los Angeles is about _____ millibars.
9. The air pressure in New York City is about _____ millibars.
10. Most of Florida has a barometric pressure between about 1008 millibars and _____ millibars.