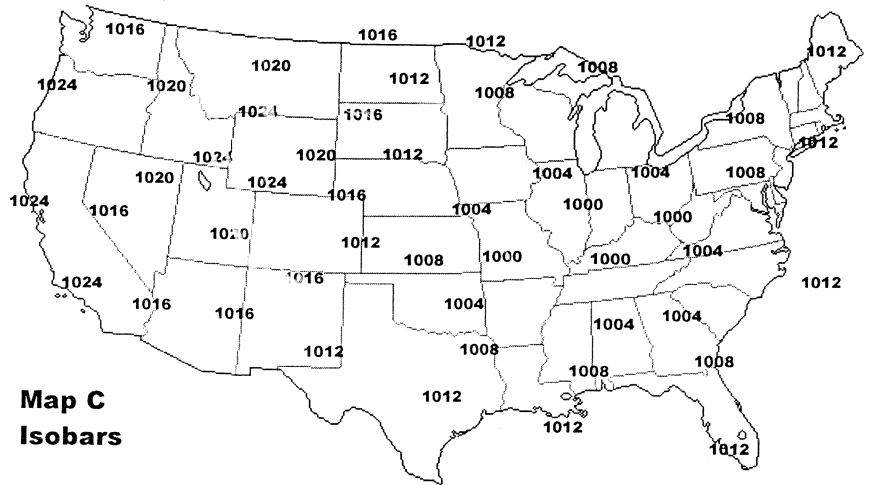


Map C: On map C you will draw isobars. You will use these isobars to locate the center of areas of high and low pressure in the U.S. The numbers on the map measure pressure in millibars. Draw and label the 1000, 1005, 1008, 1012, 1016, 1020 and 1024 mb isobars. (Start with low pressure and work your way out to 1012, then start with high pressure at 1024 mb and work your way out).

Some of these isobars form closed loops; the center of each of this loop represents an area of high or low pressure, depending upon the numerical value.



10. What is standard, sea level pressure (normal air pressure?)

Anything below this amount would be considered _____ pressure. Anything above this value would be considered _____ pressure.

11. Label the center of both the low and high pressure systems on your map with a "H" for high pressure in blue and a "L" for low pressure in red.

What is the lowest air pressure measured? _____

What is the highest air pressure measured? _____

12. Wind blows from areas of _____ (high or low) pressure to area of _____ (high or low pressure). Draw with a dark arrow on your map the direction you might expect the winds to blow.

13. What type of wind would this be called (remember winds are named after the direction they come from)?

14. Is air rising or sinking in the High pressure system?

15. Is air rising or sinking in the Low pressure system?

16. In which area of the U.S. would you expect to see more precipitation/cloud cover due to air rising?

17. In which area of the U.S. would you expect to see clear skies due to the sinking of air?