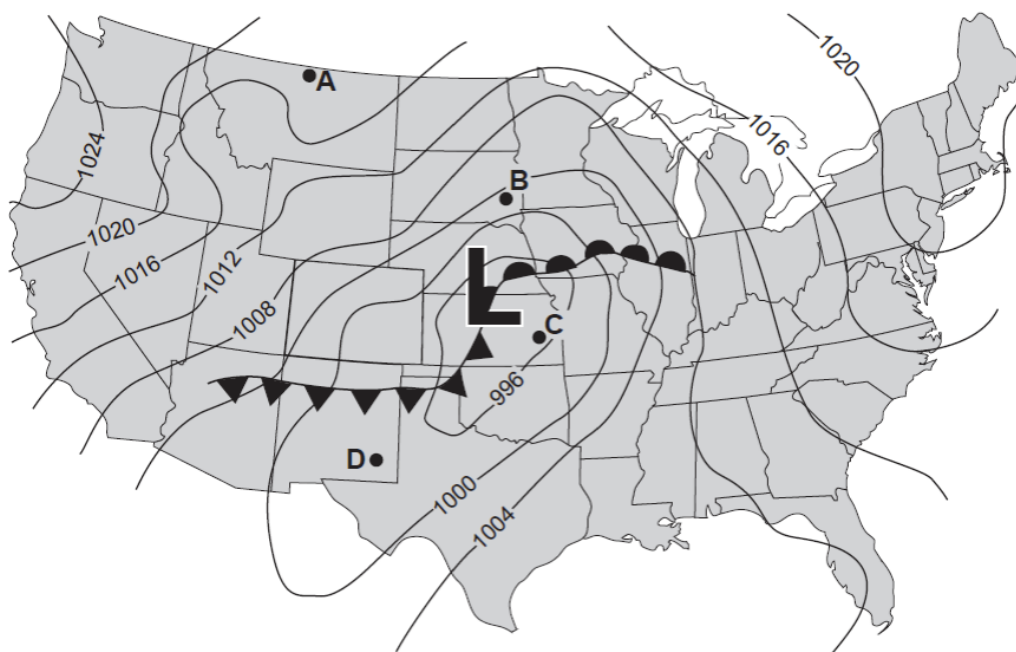


Name: _____

Date: _____ Period: _____

Worksheet: Air Masses and Fronts II

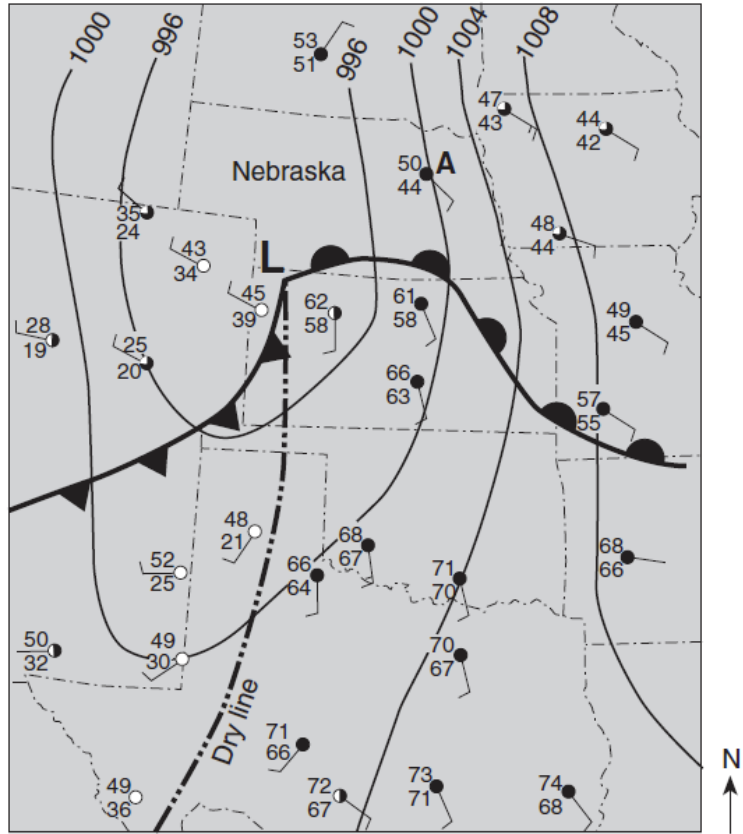
Base your answers to questions 1 through 3 on the weather map below, which shows a low-pressure system over the central United States. Isobars are labeled in millibars. Points A, B, C, and D represent locations on Earth's surface.



1. The circulation of surface winds associated with this low-pressure system is
 - a. clockwise and toward the center of the low
 - b. clockwise and away from the center of the low
 - c. counterclockwise and toward the center of the low
 - d. counterclockwise and away from the center of the low
2. The air pressure at the center of this low is
 - a. 991 mb
 - b. 997 mb
 - c. 994 mb
 - d. 1001 mb
3. Which location is most likely experiencing the fastest wind speed?
 - a. A
 - b. B
 - c. C
 - d. D

Worksheet: Air Masses and Fronts II

Base your answers to questions 4 through 6 on the information and weather map below. The weather map shows the center of a low pressure system. The symbol $\text{---}\cdot\text{---}\cdot\text{---}\cdot\text{---}$ represents the dry line which separates cT and mT air masses. Isobars are drawn at intervals of 4 millibars. Letter A indicates a weather station model.



4. The atmospheric conditions in eastern Nebraska are represented on the map by a station model labeled A. List all the weather variables below based on station model A.

5. Compared to the temperature and humidity of the air on the east side of the dry line, describe the temperature and humidity of the air on the west side.