

Name: _____

Date: _____ Period: _____

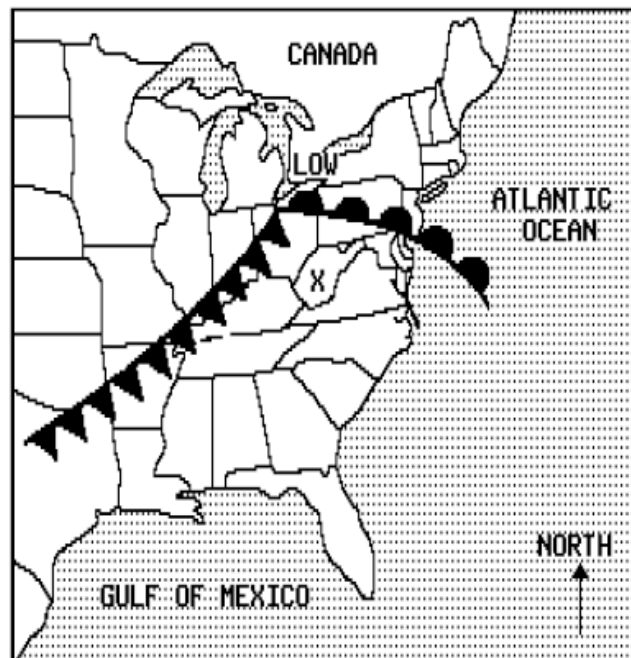
Worksheet: Air Masses and Fronts

1. A mT air mass would most likely originate over which type of Earth surface?
 - a. warm and moist
 - b. cold and dry
 - c. cold and moist
 - d. warm and dry
2. An air mass located over the central United States will most likely move toward the
 - a. southwest
 - b. southeast
 - c. northwest
 - d. northeast
3. Why do clouds usually form at the leading edge of a cold air mass?
 - a. Cold air contains more water vapor than warm air does.
 - b. Cold air contains more dust than warm air does.
 - c. Cold air flows under warm air, causing the warm air to rise and cool.
 - d. Cold air flows over warm air, causing the warm air to descend and cool.
4. A high-pressure center is generally characterized by
 - a. cool, wet weather
 - b. cool, dry weather
 - c. warm, dry weather
 - d. warm, wet weather
5. A cP airmass would most likely originate over which type of Earth surface?
 - a. warm and moist
 - b. cold and dry
 - c. cold and moist
 - d. warm and dry
6. An airmass from the Gulf of Mexico, moving north into New York State, has a high relative humidity. What other characteristics will it probably have?
 - a. cool temperatures and high pressure
 - b. cool temperatures and low pressure
 - c. warm temperatures and high pressure
 - d. warm temperatures and low pressure
7. Which symbol would be used to identify an air mass originating in central Canada?
 - a. cP
 - b. mT
 - c. cT
 - d. mP

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8. Compared to a maritime tropical airmass, a maritime polar airmass has
- lower temperature and less water vapor
 - higher temperature and less water vapor
 - lower temperature and more water vapor
 - higher temperature and more water vapor
9. If the low-pressure center follows a normal storm track, it will move toward the
- southeast
 - southwest
 - northeast
 - northwest

The weather map below shows a frontal system that has followed a typical storm track.



10. The air mass located over point X most likely originated over the
- Pacific Northwest
 - central part of Canada
 - northern Atlantic Ocean
 - Gulf of Mexico