

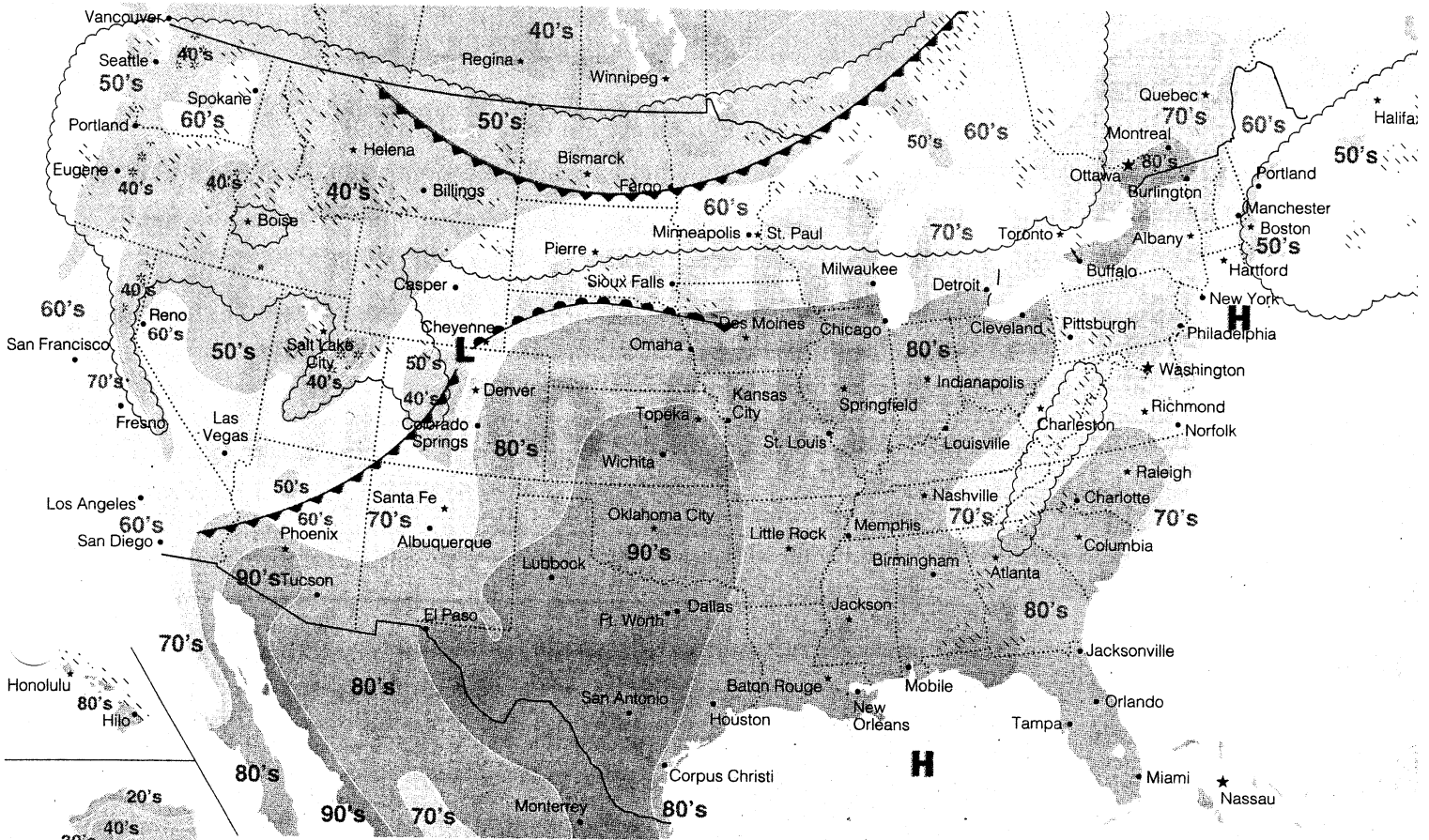
Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## ***WEATHER MAP – NEW YORK TIMES***

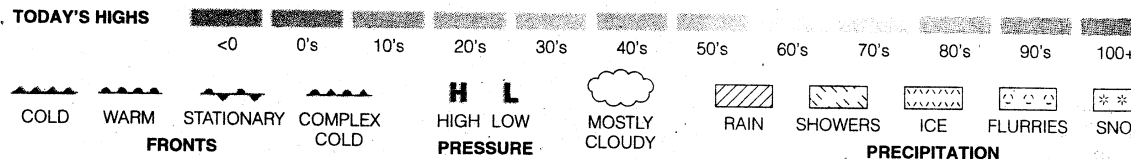
1. Does this map show isobars or isotherms? State the function of both types of lines.
2. Why are there cloudy skies from Seattle, Washington to Toronto, Ontario?
3. Look at the low pressure system near Denver, Colorado. What is the direction of the cold front? What is the direction of the warm front? Draw a picture that shows air masses at a cold front. Draw a picture that shows air masses at a warm front.
4. Is better weather found at fronts or at non-fronts? Explain your answer.
5. Do most weather systems move west or east across the US? Explain your answer.
6. Why is Santa Fe, New Mexico warm (70's) even though there is a cold front?
7. Where are the 2 high pressure systems located? Describe the weather surrounding both of them.
8.
  - a. Which way does wind blow around a low?
  - b. How can you tell from looking at this map? (In other words, prove it!)
  - c. Which way does wind blow around a high?

Forecasts and conditions for 1,500 cities are available from The New York Times on the Web: [nytimes.com/weather](http://nytimes.com/weather)

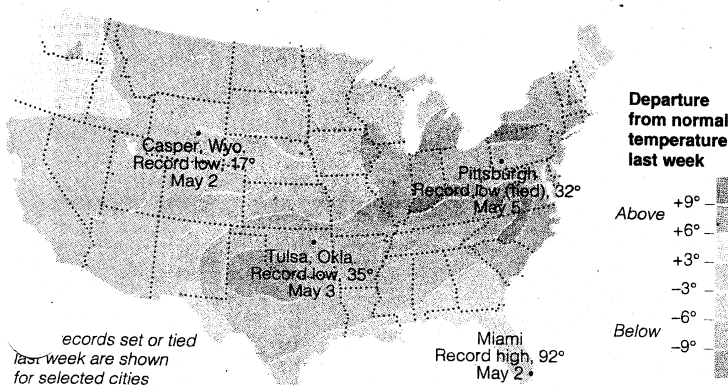
# Weather Report



Weather patterns shown as expected at 2 p.m. today, Eastern tin



## Highlight: Temperature



Temperatures more typical of early spring were recorded from the southern Plains to the Northeast early last week before warmer air arrived late in the week in most places. Meanwhile, mild air covered the Northwest for most of the week.

## National Forecast

A poorly organized area of showers and thunderstorms will accompany a jet stream disturbance moving east through the Ohio Valley today. But most places will remain dry. Temperatures will climb to summerlike levels, with afternoon readings reaching the 80's in many places.

Another zone of showers and a few thunderstorms will accompany a warm front lifting north across the central Plains later in the afternoon and into the evening. Some storms will be severe, with a risk of damaging winds and large hail. Very warm air will cover the southern Plains, with temperatures in the 90's in parts of Kansas, Oklahoma and Texas.

A large disturbance will continue to cross the Northwest slowly, producing

plenty of showers and some high-elevation snow. It will be seasonably cool with plenty of clouds.

**FOCUS: WET IN WYOMING** The heaviest rain in more than 40 years doused Sheridan, Wyo., on Sunday as 2.45 inches of rain was collected. There has not been more rain on a single day in Sheridan since April 26, 1963. A slow-moving Pacific disturbance caused unusual flash flooding in many spots in Idaho, Montana and Wyoming last weekend. Most of the lower elevations of the interior West have dry climates, with less than 20 inches of rain annually. Deep moisture from the Pacific Ocean or Gulf of Mexico has to travel long distances and is often dropped on higher mountain peaks, leaving many valleys arid.