

Air Pressure on a Weather Map,

STUDENT RESOURCE 7.6

ACTIVITY SHEET



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Atmospheric pressure is measured by a barometer in inches of mercury. At sea level, it averages about 29.92 inches of mercury. High pressure (H) is air pressure that is above 29.92 inches. It brings clear, dry weather. Low pressure (L) is air pressure that is below 29.92 inches. It brings cloudy, rainy weather. Isobars are curved lines on a weather map that connect locations with the same pressure. Use the map on the next page to answer the questions below.

- ❶ Find where you live on this map. The air pressure there is _____ inches of mercury.

This is _____ pressure. (high or low) The weather is probably _____.

- ❷ What is the lowest barometric pressure on this map? What do you think the weather is like there?

- ❸ What is the highest barometric pressure on this map? What do you think the weather is like there?

- ❹ What is the barometric pressure in Texas? Is this considered high pressure or low pressure?

- ❺ Weather usually moves from west to east in the United States. What kind of weather can the Northeast expect in the coming days?

What kind of weather can the Midwest expect?



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