



Skill Practice

Recognize Cause and Effect LESSON 2: 30 minutes

Why does the weather change?

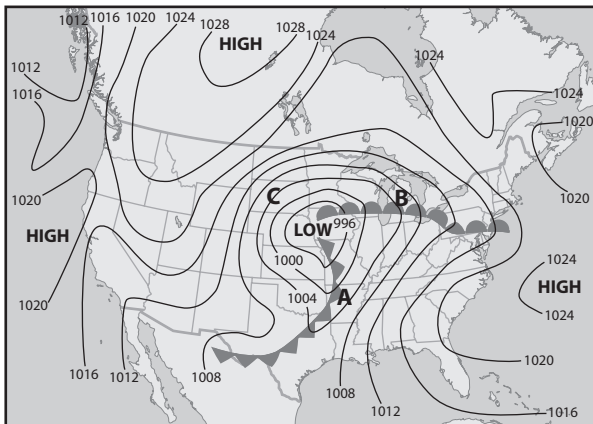
One day it is sunny, and the next day it is pouring rain. If you only look at one spot, the patterns that cause the weather to change are difficult to see. However, when you look on the large scale, the patterns become apparent.

Learn It

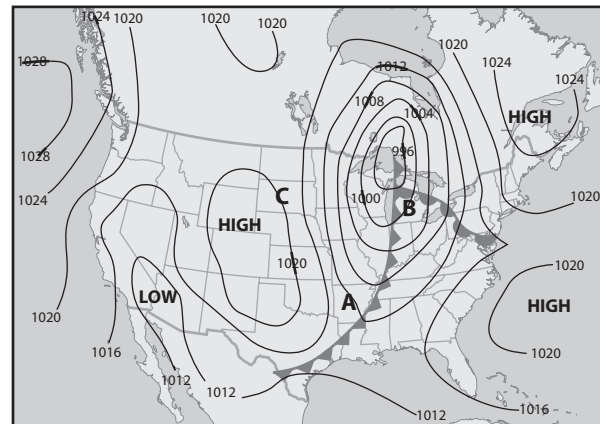
Recognizing cause and effect is an important part of science and conducting experiments. Scientists look for cause-and-effect relationships between variables. The maps below show the movement of fronts and pressure systems over a two-day period. What effect will these systems have on the weather as they move across the United States?

Try It

- Examine the weather maps below. The thin black lines on each map represent areas where the barometric pressure is the same. The pressure is indicated by the number on the line. The center of a low- or high-pressure system is indicated by the word LOW or HIGH. Identify the location of low- and high-pressure systems on each map. Use the key below the maps to identify the location of warm and cold fronts.



Day 1



Day 2

- Find locations A, B, C, and where you live on the map. For each location, describe how the systems change positions over the two days.

KEY	
	Cold front
	Warm front
	Stationary front
	Occluded front
	Precipitation
	Light snow
	Light rain
H	High-pressure system
L	Low-pressure system