

SECTION | VERTICAL AIR MOTION CAN CAUSE SEVERE STORMS.

3.3 Reading Study Guide A

BIG IDEA The interaction of air masses causes changes in weather.

KEY CONCEPT Vertical air motion can cause severe storms.

Vocabulary

thunderstorm a storm with thunder and lightning

tornado a violently rotating column of air stretching from a cloud to the ground

Review

1. Why do fronts cause changes in weather?

Take notes

I. Thunderstorms form from rising moist air. (p. 92)

2. What two characteristics must a storm have to be a thunderstorm? Write your answers below. Then copy them into the ovals connected to the word *characteristics* on the next page.

A. Formation of Thunderstorms (p. 93)

3. What two conditions can produce rising moist air that forms a thunderstorm? Write your answers below. Then copy them into the ovals connected to the word *formation* on the next page.

B. Effects of Thunderstorms (p. 94)

4. What are four dangerous effects of thunderstorms? Write your answers below. Then copy them into the ovals attached to the word *effects* on the next page.

CHAPTER 3
Weather, Fronts, and Storms

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SECTION

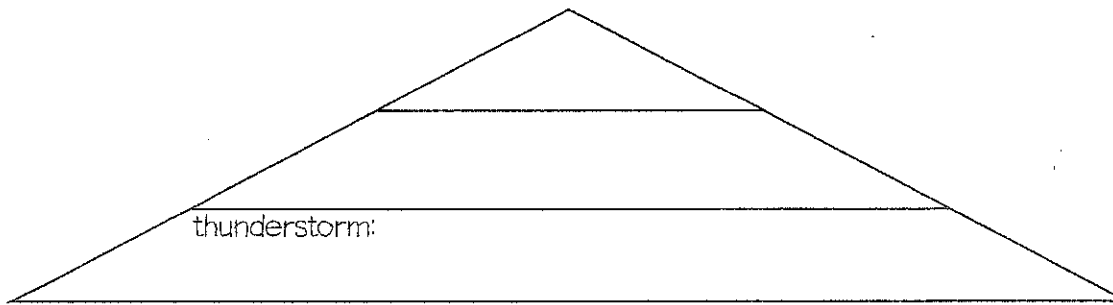
VERTICAL AIR MOTION CAN CAUSE SEVERE STORMS.

17.3 Reading Study Guide B**BIG IDEA** The interaction of air masses causes changes in weather.**KEY CONCEPT** Vertical air motion can cause severe storms.**Review**

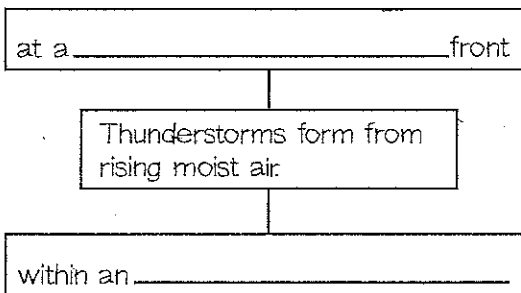
Rising moist air can produce clouds and precipitation.

Take Notes**I. Thunderstorms form from rising moist air.**

- Fill in the word triangle for *thunderstorm*.

**A. Formation of Thunderstorms**

- Fill in the main-idea web with two ways that thunderstorms form.

**B. Effects of Thunderstorms**

- Describe four effects of thunderstorms.
