

AMERICAN
TEXTBOOK
READING



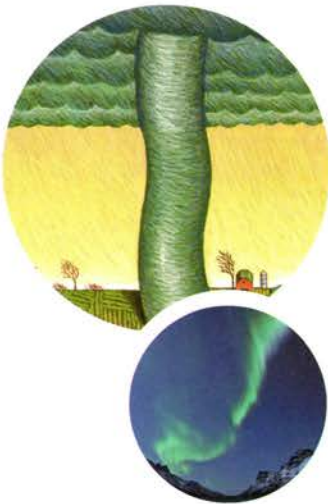
최신 미국교과서의 핵심 지식을 완벽히 읽고 소화하는 단계별 리딩북

미국교과서 READING

ADVANCED 3

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Part
1



A M E R I C A N
T E X T B O O K
R E A D I N G

Science



Tornadoes: Severe Thunderstorms

ATR3-3-01



▲ tornado and lightning

A tornado is a type of violent **windstorm**¹ in which a rapidly rotating column of air spins very fast. They are not very wide, and they do not last a long time. But they are very **destructive**² and even deadly.

Tornadoes typically develop within a large scale low-pressure system. When unstable hot air near the ground rises and meets cooler air, a thunderstorm **forms**³. Sometimes a **massive**⁴ thunderstorm develops a rotational wind that touches the ground at high speed. This is a

ATR3-3-V01



Vocabulary

1 windstorm : a storm with very strong wind but little or no rain or snow

2 destructive : causing great damage

3 form : to give a particular shape to

4 massive : large and heavy

tornado. In the center of a tornado, winds can reach speeds of 500km per hour or more. At such high speeds, winds can destroy anything in their **path**⁵.

There is an average of over 1,000 tornadoes every year in the United States. And Tornado Alley is an area in mid-America that gets a very high number of very destructive tornadoes.

Tornadoes usually occur **individually**⁶ within a short **period**⁷ time. For example, in April 1974, almost 150 tornadoes were reported east of the Mississippi River within two days. And, in April 1991, an **outbreak**⁸ of 54 tornadoes also occurred within two days. The Tri-State Tornado of March 18, 1925, was the deadliest tornado in American history. According to the report, 689 people were killed by this tornado. It was a series of tornadoes, not a single giant tornado.



▲ tornado over the ocean

5 path : course

6 individually : one by one

7 period : length of time

8 outbreak : the sudden occurrence of something unwelcome



Comprehension Checkup

Choose the best answer.

1 What is this story mainly about?

- a. Tornado Alley
- b. how tornadoes form
- c. how dangerous tornadoes are
- d. tornadoes and their characteristics

2 What is the area in mid-America that gets a lot of tornadoes?

- a. Tornado Alley
- b. Thunderstorm Alley
- c. Windstorm Alley
- d. the Mississippi River

3 What speed can winds in the center of a tornado reach?

- a. 500m per hour
- b. 5km per hour
- c. 50km per hour
- d. 500km per hour

4 When unstable hot air meets cooler air, _____.

- a. air does not last a long time
- b. a thunderstorm touches the ground
- c. a thunderstorm forms
- d. tornadoes usually occur

5 How are 689 people killed on March 18, 1925?

- a. A single giant tornado formed in Japan.
- b. A series of tornadoes occurred in Japan.
- c. An earthquake happened in mid-America.
- d. A series of tornadoes occurred in the United States.

6 Which is NOT true about tornadoes?

- a. They are not very wide.
- b. They are not even deadly.
- c. They are very destructive.
- d. They do not last a long time.



Vocabulary Focus

A Match the words with their correct definitions.

- | | | | | | |
|---|--------------|---|---|---|-------------------------------|
| 1 | destructive | • | • | a | length of time |
| 2 | path | • | • | b | to give a particular shape to |
| 3 | individually | • | • | c | one by one |
| 4 | massive | • | • | d | course |
| 5 | form | • | • | e | large and heavy |
| 6 | period | • | • | f | causing great damage |

B Choose the correct words to fill in the blanks.

windstorm destructive massive individually period outbreak

- 1 Tornadoes are very _____ and deadly.
- 2 A(n) _____ of tornadoes killed a lot of people.
- 3 Tornadoes can form _____ or in small groups.
- 4 Tornadoes normally occur within a short _____ of time.
- 5 A tornado is a large _____ that spins very fast.
- 6 When hot air meets cool air, a _____ thunderstorm can form.

Grammar Focus

A Check the correct sentences.

- 1 a. There are an average of over 1,000 tornadoes every year in the U.S.
b. There is an average of over 1,000 tornadoes every year in the U.S.
- 2 a. The Tri-State Tornado of March 18, 1925, was the deadliest tornado.
b. The Tri-State Tornado of March 18, 1925, were the deadliest tornado.
- 3 a. Winds can reach speeds of 500km per hour or more.
b. Winds can reaches speeds of 500km per hour or more.
- 4 a. According into the report, 689 people were killed by this tornado.
b. According to the report, 689 people were killed by this tornado.
- 5 a. A tornado is a type of violent windstorm which a rapidly rotating column of air spins very fast.
b. A tornado is a type of violent windstorm in which a rapidly rotating column of air spins very fast.

B Choose the correct words to complete the sentences.

- 1 But they are very destructive and even (*dead* / *deadly*).
- 2 It develops a rotational wind that (*touch* / *touches*) the ground at high speed.
- 3 Tornadoes occur (*individual* / *individually*) within a short period of time.
- 4 Tornado Alley is an area that (*get* / *gets*) many destructive tornadoes.
- 5 Tornadoes (*develop* / *develops*) within a large scale low-pressure system.

Organize & Summary

A Fill out the organizer with the information you learned in the story.

Topic	A tornado is a violent windstorm.
What I Learned	How Tornadoes Develop
	How Deadly Tornadoes Can Be

B Fill in the blanks with the correct words to summarize the story.

violent individually destructive low-pressure massive unstable

A tornado is a _____ windstorm in which a rotating column of air spins very fast. They are not very wide but they are _____. Tornadoes develop within a large scale _____ system. A thunderstorm forms when _____ hot air meets cooler air. Sometimes a _____ thunderstorm develops a rotational wind that touches the ground at high speed. This is a tornado. Tornadoes usually occur _____ within a short period of time. The Tri-State Tornado of March 18, 1925, was the deadliest tornado in American history. 689 people were killed by a series of tornadoes.

Different Types of Pollution

ATR3-3-02



▲ algae polluted water

As we try to make our lives more **convenient**¹, pollution has become a more serious issue. There are three kinds of pollution.

One kind of pollution is air pollution. Smog, mostly from cars and factories, is one cause of air pollution. Air pollution can make it hard for people to breathe. Air pollution can also change the weather. For example, air pollution from cars and factories **traps**² heat from sunlight. This makes the Earth warmer. Scientists call this global warming.

ATR3-3-V02



Vocabulary

1 convenient : easy, useful, or suitable for a particular purpose

2 trap : to catch

3 excess : more than is needed, desired, or required

4 fertilizer : chemicals that help plants grow better