

AMERICAN
TEXTBOOK
READING

최신 미국교과서의 핵심 지식을 완벽히 읽고 소화하는 단계별 리딩북

미국교과서 READING

ADVANCED 2

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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



Severe Weather

ATR3-2-01



▲ tornado hitting a house

Storms¹ are a kind of severe weather that occurs in all climates. They build where warm fronts of low **pressure**² and cold fronts of high pressure are forced together.

Thunderstorms are the most **common**³ storms. They create thunder and **lightning**⁴. A warm front rises through a cold front and makes a tall cloud. Warm air and cool air **swirl**⁵ together inside the cloud and create static **electricity**⁶. Suddenly, electricity shoots out of the cloud as a bolt of lightning. It is so powerful that it makes

ATR3-2-V01



Vocabulary

- 1 storm : a weather condition with winds, thunder, and lightning
- 2 pressure : the weight of the air in the Earth's atmosphere
- 3 common : widely known or usual
- 4 lightning : the flashes of light that are produced in the sky during a storm

a loud crash of thunder. Sometimes, a severe thunderstorm causes **tornadoes**⁷. They start when a sudden drop in air pressure creates a vortex. Tornadoes can form whenever a warm front meets a cold front. But so many tornadoes touch down in the Midwest which is called Tornado Alley.

Hurricanes are the strongest and most dangerous storms. They are caused by a warm low pressure system that evaporates water from oceans. In the United States, hurricanes are given names, and they vary in **strength**⁸ from category one to five. The strongest hurricane on record in the United States was Camille. She was a category 5 storm that blew winds over 300 km/h and destroyed entire cities along the Gulf of Mexico.

⁵ swirl : to move in circles

⁶ electricity : energy made available by the flow of an electric charge

⁷ tornado : destructive storm in the shape of a funnel cloud

⁸ strength : physical energy or intensity

Comprehension Checkup

Choose the best answer.

- 1 What is this story mainly about?**
 - a. how the weather is formed
 - b. various kinds of severe weather
 - c. some advantages of severe weather
 - d. the most severe weather in the world
- 2 When warm and cool air swirl together inside the cloud, what is created?**
 - a. rain
 - b. thunder
 - c. high pressure
 - d. static electricity
- 3 Tornadoes form when _____.**
 - a. a cloud has static electricity
 - b. electricity shoots out of the cloud
 - c. a warm front meets a cold front
 - d. warm air and cool air swirl together
- 4 Hurricanes _____ from a weak category 1 to a strong category 5.**
 - a. blow wind
 - b. touch ground
 - c. evaporate water
 - d. vary in strength
- 5 What is the area that many tornadoes hit in the American Midwest called?**
 - a. vortex
 - b. Camile
 - c. Tornado Alley
 - d. the Gulf of Mexico.
- 6 What is true about severe weather?**
 - a. Tornadoes create thunder and lightning.
 - b. Hurricanes make a loud crash of thunder.
 - c. Thunderstorms are the most dangerous storms.
 - d. The strongest hurricane on record was Camile.

Vocabulary Focus

A Match the words with their correct definitions.

- | | | | | | |
|---|-------------|---|---|---|--|
| 1 | common | • | • | a | the weight of the air in the Earth's atmosphere |
| 2 | electricity | • | • | b | the flashes of light that are produced in the sky during a storm |
| 3 | swirl | • | • | c | physical energy or intensity |
| 4 | strength | • | • | d | to move in circles |
| 5 | lightning | • | • | e | widely known or usual |
| 6 | pressure | • | • | f | energy made available by the flow of an electric charge |

B Choose the correct words to fill in the blanks.

electricity common tornado strength lightning swirl

- 1 Spinning a bottle in a circular motion can make a mini _____.
- 2 When there is _____, thunder always follows.
- 3 We cannot recharge cell phones without _____.
- 4 A hurricane gains _____ by using warm water as fuel.
- 5 Extreme weather of the Earth is becoming more _____.
- 6 Powerful winds _____ and cause some serious damage.

Grammar Focus

A Check the correct sentences.

- 1 a. Storms are a kind of severe weather that occur in all climates.
b. Storms are a kind of severe weather that occurs in all climates.
- 2 a. They start when a sudden drop in air pressure creates a vortex.
b. They start that a sudden drop in air pressure creates a vortex.
- 3 a. Tornadoes can form whatever a warm front meets a cold front.
b. Tornadoes can form whenever a warm front meets a cold front.
- 4 a. So many tornadoes touch down in the Midwest which is called Tornado Alley.
b. So many tornadoes touch down in the Midwest when is called Tornado Alley.
- 5 a. The strongest hurricane on record in the United States were Camile.
b. The strongest hurricane on record in the United States was Camile.

B Choose the correct words to complete the sentences.

- 1 A warm front rises through a cold front and (*make / makes*) a tall cloud.
- 2 They start (*what / when*) a sudden drop in air pressure creates a vortex.
- 3 It is (*so / very*) powerful that it makes a loud crash of thunder.
- 4 Hurricanes are the strongest and (*dangerousest / most dangerous*) storms.
- 5 She was a category 5 storm that (*blew / blows*) winds over 300 km/h.

Organize & Summary

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

Topic

Storms are a kind of severe weather that occurs in all climates.

Detail
Thunderstorms

Thunderstorms are the most common storms. They can create static electricity. It also makes a loud crash of thunder.

Detail
Tornadoes

Detail
Hurricane

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

climates pressure vortex tornadoes electricity dangerous

Storms are one of the severe weather that occurs in all _____.
Thunderstorms are the most common storms. They can create static _____. It also makes a loud crash of thunder. Tornadoes start when a sudden drop in air pressure creates a _____. Many _____ touch down in the Midwest which is called Tornado Alley. Hurricanes are the strongest and most _____ storms. They are caused by a warm low _____ system that evaporates water from oceans.

Four Seasons

ATR3-2-02



From sunny summer to frosty winter, we have four seasons. Earth's orbit and tilt on its **axis**¹ make four different levels of sun energy, creating four seasons.

When Earth's axis **faces**² the **opposite**³ of the sun, it cannot receive many **sunrays**⁴. That is why winter is the coldest of the four seasons. Snow covers the ground, and temperatures fall **below**⁵ zero. However, children can build snowmen or skate on the ice.

As Earth moves closer to the sun, it receives

ATR3-2-V02



Vocabulary

- 1 axis : the line about which a rotating body, such as the earth, turns
- 2 face : to be oriented in a certain direction
- 3 opposite : a person or thing completely different
- 4 sunray : a ray of sunlight