

Name \_\_\_\_\_ Date \_\_\_\_\_

**Instructions:** Read each question carefully and choose the best answer.

1. Which statement tells the main idea of this book?
  - Ⓐ People can protect themselves from some elements of devastating weather.
  - Ⓑ The biggest danger for low-lying communities is a wall of water.
  - Ⓒ Sometimes weather develops into something downright dangerous and destructive.
  - Ⓓ The most common violent-weather event is the thunderstorm.
2. What is the most common type of violent weather phenomena on Earth?
  - Ⓐ thunderstorms
  - Ⓑ tornados
  - Ⓒ hurricanes
  - Ⓓ cold fronts
3. What is **air pressure**?
  - Ⓐ the front edge of a moving mass of cold air
  - Ⓑ the amount of precipitation in the air
  - Ⓒ a storm made of rotating thunderclouds
  - Ⓓ the force of air in the atmosphere
4. What does every thunderstorm cause?
  - Ⓐ flooding
  - Ⓑ lightning
  - Ⓒ hail
  - Ⓓ devastation

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5. Why is **Doppler radar** important when discussing weather?

- Ⓐ It is a tracking system that measures the speed of something and can track storms and precipitation.
- Ⓑ It is an alert system that can instantly let people know when a hurricane is coming near their area.
- Ⓒ It is a system that tracks and reports on the history of violent weather in any given area.
- Ⓓ It is a device whose only function is to predict how long a tornado will move along the ground.

6. What does a hurricane look like from space?

- Ⓐ a pinwheel
- Ⓑ a lightning bolt
- Ⓒ a boat
- Ⓓ a funnel

7. Which of the following is a detail about a tornado?

- Ⓐ It is also called a typhoon or severe tropical cyclone.
- Ⓑ It is the most severe of the violent weather types.
- Ⓒ It drenches the coastal areas with heavy rain and wind.
- Ⓓ Its funnel sucks up almost everything loose in its path.

8. The author mentioned Hurricane Katrina to support what point?

- Ⓐ A hurricane and a tornado both have an "eye."
- Ⓑ Hurricanes can cause extensive destruction.
- Ⓒ A hurricane is also called a typhoon.
- Ⓓ Ordinary storms can occur in the summer.

9. Which type of violent weather did the book mention can cause wildfires?

- Ⓐ lightning
- Ⓑ rainfall
- Ⓒ tornadoes
- Ⓓ hurricanes

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10. Which of the following is one factor contributing to the formation of clouds?
- Ⓐ wind
  - Ⓑ tornadoes
  - Ⓒ warm air rising
  - Ⓓ cold air
11. **Extended Response:** What causes thunder?
12. **Extended Response:** In what season are violent thunderstorms most likely to happen? Use text evidence to support your answer.

## Quick Check Answer Sheet

## Violent Weather

Main Comprehension Skill: Cause and Effect

1. Ⓒ Main Idea and Details
2. Ⓐ Main Idea and Details
3. Ⓓ Vocabulary
4. Ⓑ Cause and Effect
5. Ⓐ Vocabulary
6. Ⓐ Compare and Contrast
7. Ⓓ Main Idea and Details
8. Ⓑ Author's Purpose
9. Ⓐ Cause and Effect
10. Ⓒ Cause and Effect
11. Answers will vary. Example: *Thunder happens when a bolt of lightning makes the surrounding air expand rapidly and violently. This rapid expansion produces a shockwave that we experience as the loud BOOM! that we call thunder.*
12. Answers will vary. Example: *Violent thunderstorms occur when hot, moist air collides with cold air. For that reason, violent thunderstorms are most likely to happen in summer when the air is hot and moist. The moist, hot air rises and collides with the cold air high in the atmosphere. The moisture in the hot air condenses and forms clouds that eventually produce rain.*