

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

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

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|---|--|
| <p><b>1. What is <b>air pressure</b>?</b></p> <ul style="list-style-type: none"> <li>Ⓐ when warm air pushes upward</li> <li>Ⓑ the pull on air by gravity toward Earth</li> <li>Ⓒ droplets of moisture held in the air</li> <li>Ⓓ when air circulates and causes tornadoes</li> </ul> <p><b>2. The _____ is responsible for all weather.</b></p> <ul style="list-style-type: none"> <li>Ⓐ sun</li> <li>Ⓑ air</li> <li>Ⓒ moon</li> <li>Ⓓ wind</li> </ul> <p><b>3. Which of the following would heat up most quickly on a sunny day?</b></p> <ul style="list-style-type: none"> <li>Ⓐ lake</li> <li>Ⓑ dirt field</li> <li>Ⓒ grass pasture</li> <li>Ⓓ concrete parking lot</li> </ul> | <p><b>4. How do hail pellets get bigger?</b></p> <ul style="list-style-type: none"> <li>Ⓐ when more water vapor is in a cloud</li> <li>Ⓑ when two storm clouds come together to form one</li> <li>Ⓒ when wind blows frozen rain back up into a cloud</li> <li>Ⓓ all of the above</li> </ul> <p><b>5. What is <b>water vapor</b>?</b></p> <ul style="list-style-type: none"> <li>Ⓐ invisible moisture in the air</li> <li>Ⓑ water that collects on windows</li> <li>Ⓒ the water droplets that are in clouds</li> <li>Ⓓ all of the above</li> </ul> <p><b>6. Which of the following creates thunder?</b></p> <ul style="list-style-type: none"> <li>Ⓐ when hail pellets hit a lightning bolt</li> <li>Ⓑ the flash of lightning as it hits an object</li> <li>Ⓒ the shockwave from hot air created by lightning</li> <li>Ⓓ when lightning goes from one cloud to another</li> </ul> |
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*Quick Check continued on following page*

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

7. Why is a blizzard so dangerous?

- Ⓐ lack of visibility
- Ⓑ amount of snow
- Ⓒ strength of winds
- Ⓓ all of the above

8. What is the result of the unequal heating of the Earth and the differences in air pressure?

- Ⓐ rain
- Ⓑ hail
- Ⓒ wind
- Ⓓ snow

9. What is one thing that thunderstorms and tornadoes have in common?

- Ⓐ They can flatten buildings.
- Ⓑ They occur in funnel clouds.
- Ⓒ They are the strongest winds on Earth.
- Ⓓ They form when warm air rises quickly.

10. What is **precipitation**?

- Ⓐ water moving upward in warm air
- Ⓑ water droplets in clouds
- Ⓒ water falling to Earth
- Ⓓ moisture in your breath

11. **Extended Response:** In twenty-five words or less, write a summary statement for this book.

12. **Extended Response:** Name the kinds of severe weather that occur where you live and safety precautions you have had to take.

## Quick Check Answer Sheet

## Severe Weather

Main Comprehension Skill: Cause and Effect

1. Ⓑ Vocabulary
2. Ⓐ Main Idea and Details
3. Ⓑ Make Inferences / Draw Conclusions
4. Ⓒ Cause and Effect
5. Ⓐ Vocabulary
6. Ⓒ Cause and Effect
7. Ⓓ Main Idea and Details
8. Ⓒ Cause and Effect
9. Ⓓ Compare and Contrast
10. Ⓒ Vocabulary
11. Answers will vary somewhat but should be similar to the following: *this book explained how the sun causes all of Earth's weather, and how air pressure, precipitation, wind, and temperature change to create severe weather conditions.*
12. Answers will vary.