

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

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

1. Why do hot air balloons lift off the ground?
  - Ⓐ They have propellers.
  - Ⓑ They are big and can float.
  - Ⓒ The gas in them is lighter than air.
  - Ⓓ The engines lift them into the air.
2. What can be said about Joseph Montgolfier?
  - Ⓐ He was observant.
  - Ⓑ He was curious.
  - Ⓒ He was inventive.
  - Ⓓ All of the above
3. A lighter-than-air vehicle that can be steered is called a \_\_\_\_\_.
  - Ⓐ balloon
  - Ⓑ blimp
  - Ⓒ dirigible
  - Ⓓ Zeppelin
4. What does **awestruck** mean?
  - Ⓐ rising to great heights
  - Ⓑ disappointed
  - Ⓒ fascinated
  - Ⓓ to hit
5. Until 1999, what caused all around-the-world balloon flights to fail?
  - Ⓐ bad weather
  - Ⓑ fuel shortages
  - Ⓒ technical problems
  - Ⓓ all of the above
6. Why do you think Montgolfier sent animals up in the first balloon rather than going himself?
  - Ⓐ He was concerned about safety.
  - Ⓑ He wanted to watch the balloon lift.
  - Ⓒ He wasn't sure it would lift his weight.
  - Ⓓ All of the above

*Quick Check continued on following page*

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7. What is the one major advantage of the CargoLifter airship?
  - Ⓐ It can pick up a heavy load at a factory and deliver it where it is needed.
  - Ⓑ It is bigger than any airplane currently flying and can hold more people.
  - Ⓒ It can move faster across land or water than any current airship.
  - Ⓓ It is able to take many people on sightseeing trips over high mountains.
8. What was the largest flying machine ever built and flown?
  - Ⓐ the *Breitling Orbiter*
  - Ⓑ the *Hindenburg*
  - Ⓒ the *Spirit of Goodyear*
  - Ⓓ the *Graf Zeppelin*
9. What does **flammable** mean?
  - Ⓐ very dense
  - Ⓑ easy to steer
  - Ⓒ a type of gas
  - Ⓓ catches fire easily
10. Which of the following happened first?
  - Ⓐ The Hindenburg crashed in Lakehurst, New Jersey.
  - Ⓑ The Montgolfier Brothers flew in a balloon for twenty-five minutes.
  - Ⓒ A rigid airship named the *Zeppelin* was invented.
  - Ⓓ Goodyear blimps were used for advertising products.
11. **Extended Response:** Explain why the farmers who saw the first balloon land with a human aboard attacked the balloon.
12. **Extended Response:** How can a balloon lift itself up?

## Quick Check Answer Sheet

## Lighter Than Air

Main Comprehension Skill: Sequence Events

1. Ⓒ Cause and Effect
2. Ⓓ Make Inferences / Draw Conclusions
3. Ⓒ Vocabulary
4. Ⓒ Vocabulary
5. Ⓓ Sequence Events
6. Ⓐ Make Inferences / Draw Conclusions
7. Ⓐ Main Idea and Details
8. Ⓑ Main Idea and Details
9. Ⓓ Vocabulary
10. Ⓑ Sequence Events
11. Answers will vary but will likely include the following: *the farmers might have thought they were under attack by an enemy country or even space aliens.*
12. Answers will vary somewhat but should include the following: *the air is heated, and because heated air is less dense than the surrounding air, the balloon lifts up; or a balloon may be filled with a gas that is less dense than air, such as helium or hydrogen.*