No-Sweat Bubble Test

Read each question, then use the article “Defying Gravity” (pp. 10-13) to choose the best answer.

1. At the beginning of the article, the author asks whether Richard Browning is a superhero. Why might Browning be mistaken for one?
   A. He can become invisible.
   B. He has superpowers.
   C. He can fly.
   D. He’s an inventor.

2. As a kid, Browning would take apart old TVs and toasters to learn how they work. What can you infer from this fact?
   A. His family didn’t let him play video games.
   B. He was a curious child.
   C. He didn’t like playing sports.
   D. He was an adventurous child.

3. How does the author present information in the section “Prepare for Liftoff”?
   A. by explaining the causes and effects of events
   B. by presenting a sequence of events in order
   C. by comparing two unlike ideas
   D. neither A nor B

4. What is the purpose of the diagram “Forces of Flight” on page 11?
   A. to explain the main forces acting on flying objects
   B. to show how to build a jet suit
   C. to explain how Earth’s gravity works
   D. none of the above

5. If a jet suit pilot pointed the engines forward, what would the resulting movement be?
   A. to the right
   B. to the left
   C. forward
   D. backward

6. Browning states that failing again and again was important to his success. What did he most likely mean by this statement?
   A. Failing helped him learn how he needed to improve his design.
   B. Failing was more enjoyable than succeeding.
   C. Failing showed his design was working well.
   D. None of the above

7. Browning is planning a jet suit racing league. Which reason best explains why the pilots will race over water?
   A. The jet suits will fly only over water.
   B. The race involves making patterns in the water.
   C. Browning is trying to create underwater races.
   D. Flying over water is safer than flying over land.

8. The article states that the jet suit “guzzles nearly 4 liters (1 gallon) of fuel a minute.” What does guzzle mean in this sentence?
   A. to drink loudly
   C. to use up quickly
   B. to eat happily
   D. to waste

9. Browning says of his invention, “I hope this inspires [young people] to ask ‘What if?’” Which of the following is an example of that?
   A. A student comes up with a new way to solve a math problem.
   B. A skateboarder designs a faster skateboard.
   C. A gymnast works toward learning a hard skill.
   D. all of the above

10. Which of the following would be the best alternative title for this article?
    A. “The Dangers of Jet Suits”
    B. “The History of Flight”
    C. “Designing a Jet Suit”
    D. “The Great Jet Suit Debate”