## EDITION 5-6: COVER QUIZ



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

# Bodybuilding October 27, 2017

Use this week's issue of TIME for Kids (Edition 5–6) to answer the questions. For each question, circle the letter next to the best answer.

#### Skill: Identify Central Idea

- **1.** Which statement expresses a central idea of the text?
  - A. Jake Hubbard's new hand allows him to feel objects.
  - B. It is difficult to create a cheap and realistic prosthetic hand.
  - C. Students created a prosthetic hand for Jake Hubbard.
  - D. 3D printing technology makes it easy to build prosthetics.

#### Skill: Cite Evidence

- **3.** What is the next step for Hubbard and his prosthetic hand?
  - A. He will help students build a new and improved prosthetic.
  - B. He will add electrodes and sensors so that he can feel the world around him.
  - C. He will begin using the new prosthetic hand at work.
  - D. He will get a new prosthetic hand from Case Western.

#### Skill: Identify Key Details

- **5.** How did the students design the prosthetic hand for Hubbard?
  - A. They interviewed him and then built the hand.
  - B. They worked together as a team throughout the year.
  - C. They created a durable clawlike hand on a 3D printer.
  - D. They used designs from an engineer in Ohio.

### Skill: Analyze Key Details

- 2. Why does Glenn Greenberg include information about an auditory brainstem implant?
  - A. to give an example of another type of prosthetic devices
  - B. to compare prosthetics for hearing and seeing
  - C. to explain the complexity of modern prosthetic devices
  - D. to help students choose which type of prosthetic to design

### Skill: Explain Connections

- **4.** The purpose of paragraph 9 is to
  - A. explain how the electronic parts of prosthetics work.
  - B. give an example of another type of prosthetic.
  - C. share ideas about how to use computers in new ways when designing prosthetics.
  - D. explain how prosthetics connect to the brain.

#### Skill: Define Words and Phrases

- **6.** When Hubbard says, "We're going to improve it by leaps and bounds," in the last sentence, what does he mean?
  - A. They are going to make a new hand that is even better.
  - B. They are going to rebuild his current hand and improve it.
  - C. They are going to add sensors to allow him to feel.
  - D. He is unhappy with the hand and wants to replace it again.



#### Name **Date**

Skill: Identify Connections

- 7. What is the main difference between Hubbard's original prosthetic hand and his new hand?
  - A. The old one was more helpful.
  - B. The new one allows him to grasp things at work.
  - C. The new one looks more like a human hand.
  - D. The old one is cheaper.

Skill: Identify Central Idea

- 9. What is the central idea of the "Getting a Grip" section?
  - A. Hubbard is ready for another upgrade to his prosthetic.
  - B. Hubbard will help students redesign his prosthetic.
  - C. Hubbard prefers his original prosthetic hand.
  - D. Hubbard wants to show his prosthetic to the world.

**Bonus** Why does the author include the STEM School sidebar as part of the article? Use at least two details from the text to support your response.

Skill: Describe Processes

- 8. Which of these statements **best** describes how the Orion I Visual Cortical Prosthesis works?
  - A. Eyeglasses have a camera that connects to the brain.
  - B. Images from a camera go to the brain through electrodes.
  - C. A camera sends images to a computer.
  - D. A camera produces electrical signals.

Skill: Define Words and Phrases

- **10.** What does the word **appendage** mean in paragraph 1 of the article?
  - A. a 3D printer
  - B. a gift
  - C. an idea
  - D. a hand