

Name

Date

Best Inventions of 2017

 January 12, 2018

Use this week's cover story to answer the questions. For each question, circle the letter next to the best answer.

Define Words and Phrases (RI.3.4; RI.4.4)

1. In “A Shoe Engineered to Boost Performance,” what is another word for *customized*?

- A. built specially
- B. built with technology
- C. expensive
- D. placed in the midsole

Read for Detail (RI.3.1; RI.4.1)

2. How is the new Adidas Futurecraft 4D different from other kinds of sneakers?

- A. It has a different kind of midsole.
- B. It can be made from a regular printer.
- C. It can be specially designed for each person.
- D. It is made by Adidas.

Identify Reasons and Evidence (RI.3.8; RI.4.8)

3. What evidence supports the statement that Adidas's Futurecraft 4D shoe “lets you run faster, turn better, and jump higher”?

- A. “Its midsole can be tailored to meet the needs of a wearer.”
- B. “The midsole is the padding on the bottom of the shoe.”
- C. “But Futurecraft 4D midsoles can be printed in as little as two hours.”
- D. “The shoe is based on 17 years' worth of data from runners.”

Make Inferences (RI.3.1; RI.4.1)

4. In “Underwater Crops,” what does Bren Smith plan to do with the oysters, clams, and seaweed he grows?

- A. expand to other parts of the country
- B. sell them to farmers
- C. use them to feed people
- D. make ropes that attach to the ocean floor

Identify Main Idea and Key Details (RI.3.2; RI.4.2)

5. What is the main idea of the “Underwater Crops” section of the article?

- A. Bren Smith's new invention helps people learn different ways to fish.
- B. Bren Smith's new type of farm helps us have a healthier planet.
- C. GreenWave's crops taste better than crops that are grown on land.
- D. Greenwave wants to help fishermen find new ways to earn money.

Identify Main Idea and Key Details (RI.3.2; RI.4.2)

6. In “Stronger, Safer Football Helmets,” what makes the helmet safer than the traditional kind of helmet?

- A. It has a better shape for a person's head.
- B. It is made from flexible material.
- C. It reduces the sound of a collision.
- D. More football teams are using it.

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Read for Detail (RI.3.2; RI.4.2)

- 7.** In “A Robot You Can Relate To,” how would you summarize the difference between Jibo and other personal robots?
 - A. Other robots have fewer speakers than Jibo.
 - B. Other robots have a light and Jibo does not.
 - C. Jibo has a personality that makes him seem more human than other robots.
 - D. Jibo can swivel his body and move his face and other robots cannot.

Analyze Text Structure (RI.3.5; RI.4.5)

- 8.** In “A Robot You Can Relate To,” what is the purpose of paragraph 2?
 - A. to explain how Jibo works
 - B. to encourage readers to buy Jibo
 - C. to describe what is unique about Jibo
 - D. to contrast Jibo with Pixar movies

Recall Facts and Details (RI.3.1; RI.4.1)

- 9.** What problem is Reggie Fils-Aime hoping to solve with his invention?
 - A. helping blind people see
 - B. making robots more lifelike
 - C. being limited to single-player games
 - D. having to stop playing a video game when you leave the house

Explain Connections and Processes (RI.3.3; RI.4.3)

- 10.** What is the best description for how eSight 3 works?
 - A. It creates special images for the blind based on high-definition video.
 - B. It uses video to help users zoom in and look closely at objects.
 - C. It helps users walk without a cane.
 - D. It lets users take part in sports.

Bonus Which invention is your favorite from the “Best Inventions of 2017” article? Why is that invention your favorite? Write your answer below or on separate paper.
