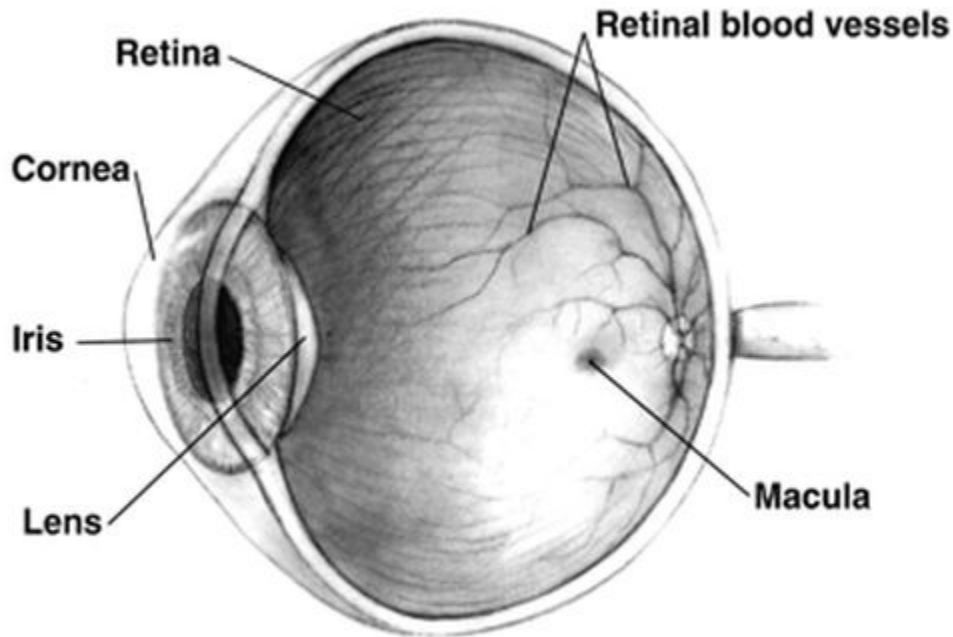


Device May Help Blind People See



parts of the human eye

Inventors in Belgium have created a device that might enable thousands of blind people to see. The invention includes a small video camera mounted on eyeglasses.

Blindness can occur for many different reasons. One reason is damage to the retina, the membrane that lines the inner eyeball. The retina picks up visual messages in the form of light. Then it sends those messages to the brain through the optic nerve. If a person's retina is not working, messages are not sent to the brain.

The Belgian scientists created a tiny electronic device that takes over for a damaged retina. They implant the device inside the blind person's head, just behind the eye. The patient wears a pair of glasses with a little video camera mounted on them. The camera takes pictures and sends the images to the implant in the head. Then the implant electronically stimulates the optic nerve, sending the visual images to the brain. The scientists have tested the device in two patients. The results have been promising.

Name: _____ Date: _____

1. The main idea of this passage is
 - A. scientists in Belgium are concerned about the visually impaired.
 - B. scientists have tested their device on two patients.
 - C. scientists invented a device to help blind people see.
 - D. many people are blind from a damaged retina.

2. Which of the following does not necessarily support the main idea?
 - A. The scientists are in Belgium.
 - B. The device includes special glasses for the patient to wear.
 - C. Scientists need to implant a device behind the patient's eye.
 - D. The device sends messages to the optic nerve.

3. Before the device stimulates the optic nerve,
 - A. a visual message goes to the brain.
 - B. the person is aware of what he or she is seeing.
 - C. a camera is mounted on glasses.
 - D. all of the above.

4. The retina
 - A. sends message to the brain.
 - B. picks up visual information as light.
 - C. determines what color eyes you have.
 - D. protects the eye.

5. List a detail and explain how it supports the main idea.

Name: _____ Date: _____

1. What is a meaning of the word **device**?

- A. helpful information
- B. any clever maneuver
- C. an allocated amount

2. What is another meaning of the word **device**?

- A. one of a kind
- B. a human being
- C. an invention

Please use each answer choice only once. Choose the one word that best completes the sentence.

3. A _____ called a shutter controls the light that is let into the camera.

- A. devices
- B. device

4. These _____ can talk, make gestures and move around.

- A. devices
- B. device

5. Please write your own sentence using the word **device**.

6. What would you like to remember about the meaning of the word **device** so that you can use it when you write or speak?

Name: _____ Date: _____

1. What is a meaning of the word **enable**?

- A. render capable or able for some task
- B. persist for a specified period of time
- C. make by combining materials and parts

2. What is another meaning of the word **enable**?

- A. make mention of
- B. get temporarily
- C. to give power to

Please use each answer choice only once. Choose the one word that best completes the sentence.

3. I will be _____ to play in my room too.

- A. inability
- B. able
- C. ability
- D. enable
- E. abilities
- F. unable
- G. enabled

4. Energy is the _____ to do things.

- A. inability
- B. able
- C. ability
- D. enable
- E. abilities
- F. unable
- G. enabled

5. He lay on the forest floor _____ to move for a long time.

- A. inability
- B. able
- C. ability
- D. enable
- E. abilities
- F. unable
- G. enabled

6. Bell opened a school for deaf students and formed an information center to help people understand the needs and _____ of deaf people.

- A. inability
- B. able
- C. ability
- D. enable
- E. abilities
- F. unable
- G. enabled

7. The spines _____ sand dollars to dig into the soft sand.

- A. inability
- B. able
- C. ability
- D. enable
- E. abilities
- F. unable
- G. enabled

8. I have an idea that he is as exasperated as I am about this _____ to be alone.

- A. inability
- B. able
- C. ability
- D. enable
- E. abilities
- F. unable
- G. enabled

9. It has even _____ us to change the environment of the entire earth.

- A. inability
- B. able
- C. ability
- D. enable
- E. abilities
- F. unable
- G. enabled

10. Please write your own sentence using the word **enable**.

11. What would you like to remember about the meaning of the word **enable** so that you can use it when you write or speak?

Name: _____ Date: _____

1. What is a meaning of the word **stimulate**?

- A. to guide or direct
- B. to rouse to action
- C. flow off gradually

2. What is another meaning of the word **stimulate**?

- A. to fix the amount of a tax, fine, or damages
- B. to arouse an organism to functional activity
- C. change directions as if revolving on a pivot

Please use each answer choice only once. Choose the one word that best completes the sentence.

3. Instead, they respond to a particular _____ in a predictable way, and this repeatedly.

- A. stimulated
- B. stimulating
- C. stimulate
- D. stimulates
- E. stimuli
- F. stimulation
- G. stimulus

4. Sound, light, and temperature are examples of _____.

- A. stimulated
- B. stimulating
- C. stimulate
- D. stimulates
- E. stimuli
- F. stimulation
- G. stimulus

5. Animal behavior is also _____ by things outside an animal's body.

- A. stimulated
- B. stimulating
- C. stimulate
- D. stimulates
- E. stimuli
- F. stimulation
- G. stimulus

6. If the government wants to _____ investment, it reduces taxes on producers.

- A. stimulated
- B. stimulating
- C. stimulate
- D. stimulates
- E. stimuli
- F. stimulation
- G. stimulus

7. As we have already emphasized, babies need _____.

- A. stimulated
- B. stimulating
- C. stimulate
- D. stimulates
- E. stimuli
- F. stimulation
- G. stimulus

8. It increased my fury, as the beating of a drum _____ the soldier into courage.

- A. stimulated
- B. stimulating
- C. stimulate
- D. stimulates
- E. stimuli
- F. stimulation
- G. stimulus

9. To make it more _____ for some kinds of animals, zookeepers may hide food in the exhibit so that the animals have to use their skills to find the food.

- A. stimulated
- B. stimulating
- C. stimulate
- D. stimulates
- E. stimuli
- F. stimulation
- G. stimulus

10. Please write your own sentence using the word **stimulate**.

11. What would you like to remember about the meaning of the word **stimulate** so that you can use it when you write or speak?