

## Quick Check

## Microbes: Friend or Foe?

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

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

1. Which is a true statement?
  - Ⓐ Microbes can cause dangerous diseases and be helpful to humans.
  - Ⓑ We know slightly more about microbes now than we did when George Washington lived.
  - Ⓒ Microbes are always dangerous, and scientists are working to wipe them out.
  - Ⓓ Our natural defenses are able to keep all dangerous microbes out of our bodies.
2. Which of the following helps helps a human body defend against microbes?
  - Ⓐ skin
  - Ⓑ vaccines
  - Ⓒ white blood cells
  - Ⓓ all of the above
3. Which of the following is is the best summary statement for the section titled "Fighting Microbes with Vaccines"?
  - Ⓐ Vaccines are useful in helping extremely ill people recover from dangerous infections.
  - Ⓑ Vaccines are able to prevent some infections by helping the body recognize dangerous microbes.
  - Ⓒ Dr. Jenner discovered that a person who had already had cowpox didn't get smallpox, a dangerous disease.
  - Ⓓ Each year, many people get a flu shot, which is a vaccine used to prevent a common infection.

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4. What is an **antibiotic**?

- Ⓐ a rapid spread of a disease around the world
- Ⓑ a type of bacteria living in human cells
- Ⓒ a medicine that attacks harmful microbes
- Ⓓ a disease for which there is no known cure

5. How were cowpox and smallpox different from each other?

- Ⓐ Cowpox spread in Italy, and smallpox spread in England.
- Ⓑ Smallpox spread only in livestock, and cowpox spread among humans.
- Ⓒ Cowpox was a mild disease, and smallpox killed thousands.
- Ⓓ Smallpox had a cure, but cowpox did not.

6. Why do scientists keep trying to produce stronger antibiotics?

- Ⓐ because people can take an antibiotic only one time
- Ⓑ because all types of antibiotics can be produced only once
- Ⓒ because stronger antibiotics are needed to fight stronger microbes that are forming
- Ⓓ all of the above

7. What do bacteria and viruses have in common?

- Ⓐ They both only live for twenty-four hours.
- Ⓑ They both are the same size.
- Ⓒ They both can cause serious infectious diseases.
- Ⓓ They both are good and help our immune system.

8. Read this sentence: *The sick man **contaminated** the doorknob.* What does **contaminated** mean?

- Ⓐ harmed
- Ⓑ wiped clean
- Ⓒ made sick
- Ⓓ made dirty with germs

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9. Malaria is most often spread by \_\_\_\_\_.
  - Ⓐ sneezing
  - Ⓑ mosquito bites
  - Ⓒ contaminated food
  - Ⓓ all of the above
10. What might happen if a person sneezes on his or her hand, and then you shake that hand?
  - Ⓐ Germs could get on your hand.
  - Ⓑ You might get sick.
  - Ⓒ You could pass the germs onto someone or something else.
  - Ⓓ All of the above
11. **Extended Response:** What can you do to help prevent the spread of dangerous microbes?
12. **Extended Response:** Explain why the Centers for Disease Control and Prevention monitors diseases that occur outside the United States.

## Quick Check Answer Sheet

## Microbes: Friend or Foe?

Main Comprehension Skill: Compare and Contrast

1. Ⓐ Main Idea and Details
2. Ⓓ Main Idea and Details
3. Ⓑ Main Idea and Details
4. Ⓒ Vocabulary
5. Ⓒ Compare and Contrast
6. Ⓒ Cause and Effect
7. Ⓒ Compare and Contrast
8. Ⓓ Vocabulary
9. Ⓑ Cause and Effect
10. Ⓓ Cause and Effect
11. Answers will vary but should include three of the following:  
*cover your mouth and nose with a tissue when you cough or sneeze, wash hands often and for fifteen seconds, eat a balanced diet, get enough sleep each night, brush and floss your teeth.*
12. Answers will vary. Example:  
*The CDC monitors diseases occurring around the world because many citizens travel to other countries and can carry dangerous diseases from other countries into the United States, and the CDC wants to be prepared to prevent an outbreak.*