

SECTION

THE IMMUNE SYSTEM DEFENDS THE BODY.

3.2 Reading Study Guide A

BIG IDEA Systems function to transport materials and to defend and protect the body.

KEY CONCEPT The immune system defends the body.

Vocabulary

pathogen a disease-causing agent

immune system a body system that responds to foreign materials

antibody a protein that attacks specific foreign materials

antigen a marker on a pathogen that identifies it

immunity resistance to a sickness

vaccine a small dose of weakened pathogens that makes you immune to a disease

antibiotic a medicine that blocks the growth and reproduction of bacteria

Review

1. If the sentence is true, write *true*. If the sentence is false, change the underlined term to make the sentence true.

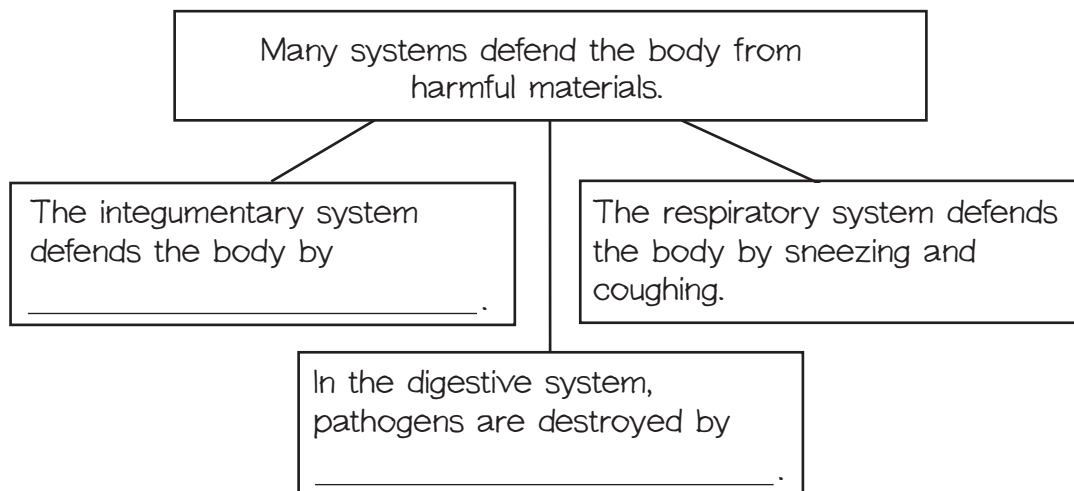
Blood pressure is expressed using three numbers. _____

The circulatory system moves nutrients and oxygen to the cells. _____

Take Notes

1. Many systems defend the body from harmful materials. (p. 74)

2. Fill in the main-idea web for the main idea shown.



II. The immune system has response structures. (p. 75)

3. Fill in the main-idea and detail notes for the main idea shown.

Main Idea	Detail Notes
1. The immune system is a body system that responds to foreign materials that get into the body.	<p>A. White blood cells are produced in _____.</p> <p>B. White blood cells destroy _____.</p> <p>C. Antibodies are _____.</p>

A. White Blood Cells and the Lymphatic System (p. 76)

4. What two systems carry white blood cells to an injured or infected area of the body?

III. The immune system responds to attack. (p. 76)**A. Nonspecific Response and Specific Response (pp. 77–79)**

5. Histamine is released when an injury or illness occurs. While slicing vegetables, a chef cut his finger. Where in the chef's body is histamine being released?

IV. Most disease can be prevented or treated (p. 80)**A. Vaccination and Treatment (pp. 80–81)**

6. Fill in the word magnet for *vaccine* and *antibiotic*.

