

Section 40–3 Immune System Disorders (pages 1043–1047)



TEKS FOCUS: 4C Role of viruses in causing disease

This section describes diseases that affect the immune system.

Allergies (page 1043)

1. An overreaction of the immune system caused by antigens is called a(an) _____.
2. Circle the letter of each choice that is a result of allergens binding to mast cells.
 - a. The mast cells release chemicals known as histamines.
 - b. There is increased flow of blood and fluids to the surrounding area.
 - c. Sneezing, runny nose, watery eyes, and other symptoms occur.
 - d. Antihistamines are released by the mast cells.

Asthma (page 1044)

3. A chronic respiratory disease in which air passages become narrower than normal is called _____.

Autoimmune Diseases (page 1044)

4. What produces an autoimmune disease? _____

5. Complete the table about autoimmune diseases.

AUTOIMMUNE DISEASES

Autoimmune Disease	Organ or Tissue That Is Attacked
Rheumatoid arthritis	
Type I diabetes	
Myasthenia gravis	
Multiple sclerosis	

AIDS, an Immunodeficiency Disease (pages 1045–1047)

6. Is the following sentence true or false? AIDS is a type of disease in which the immune system is weakened by infection. _____
7. What does AIDS stand for? _____

8. List some of the diseases that may be symptoms of AIDS.
- a. _____
 - b. _____
9. Circle the letter of the choice that refers to the cells that are attacked by HIV.
- a. Helper T cells
 - b. Killer T cells
 - c. Red blood cells
 - d. Helper B cells
10. Is the following sentence true or false? The body does not produce antibodies against HIV. _____
11. Circle the letter of each choice that is true about the spread of HIV.
- a. It is usually spread by casual contact.
 - b. It is spread only by sexual contact.
 - c. It can be spread by sharing needles.
 - d. It is spread only by contact with infected blood or other body fluids.
12. Is the following sentence true or false? Any sexual contact carries some risk of contracting HIV. _____

Reading Skill Practice

When you read about new or difficult concepts, making a concept map can help you better understand and remember the ideas. Make a concept map that shows how immune system disorders are classified, based on the material in Section 40–3. For more information about concept maps, see Appendix A of your text. Do your work on a separate sheet of paper.