

Chapter 40 The Immune System and Disease**Section Review 40-3****Reviewing Key Concepts**

Short Answer *On the lines provided, answer the following questions.*

1. What causes an autoimmune disease?

2. How does *Streptococcus* trick the immune system?

Matching *On the line provided, write the letter of the disease or disorder that best matches the description.*

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| _____ 3. smooth muscle contractions reduce size of air passageways in the lungs | a. rheumatic fever |
| _____ 4. antibodies and killer T cells kill and scar cells of the heart lining and valves | b. HIV |
| _____ 5. an autoimmune reaction attacks the insulin-producing cells of the pancreas | c. multiple sclerosis |
| _____ 6. antibodies attack neuromuscular junctions | d. asthma |
| _____ 7. the destruction of the myelin sheath that surrounds nerve fibers | e. myasthenia gravis |
| _____ 8. kills off most of the helper T cells | f. juvenile-onset diabetes |

Reviewing Key Skills

9. **Applying Concepts** The prefix *anti-* means *against*. Most allergy medications contain an *antihistamine*. Explain what happens during an allergic reaction and how antihistamines help ease the symptoms.

10. **Applying Concepts** How does HIV weaken the immune system?
