**Unit 5: Communicable Diseases Study Guide**

Do Not write on this worksheet. Copy the objective, warm-up question and study guide questions or write your answer in statement form so that you know what the question was.

**Lesson 2 – Preventing Communicable Diseases**

**Objective: Students will learn how to develop strategies for caring for their immune system and preventing disease.**

**Warm-up**: Make a word web with Preventing Communicable Diseases in the center. Surround this circle with 5 circles – titled: Physical/Chemical Barriers, Immune System, Specific Defenses, Memory Lymphocytes, and Vaccines. As you read, record facts in the appropriate circle.

* 1. Copy and complete “Building Vocabulary” on page 627.
  2. How do physical barriers protect the body from pathogens?
  3. How do chemical barriers protect the body from pathogens?
  4. How is the inflammatory response involved in fighting pathogens? (p.628)
  5. Complete the following outline of the body’s specific defenses. (629-30)
     1. Lymphocytes
        1. T cells
           1. Helper T Cells \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
           2. \_\_\_\_\_\_\_\_\_\_\_\_\_ attack and destroy infected body cells
           3. \_\_\_\_\_\_\_\_\_\_\_\_\_ coordinate T cell activity & turn off helper T cells
     2. B cells produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
     3. \_\_\_\_\_\_\_\_\_\_\_\_\_ circulate in blood for years, provide long-term immunity
  6. What is the difference between active and passive immunity? (p. 631)
  7. List 5 behaviors that will help maintain a healthy immune system. (p.632-33)
  8. List the 4 types of vaccines mentioned in the lesson.
  9. How do vaccines benefit people other than those who received the vaccination?(p.634)
  10. Does this benefit exist for all communicable diseases?
  11. In what ways do toxoids prevent diseases?