Circle the correct answer.

1. Cells of the immune system are found in the:
   a. lymph nodes
   b. thymus
   c. bone marrow
   d. all of the above

2. Respiratory droplets are produced when doing all of the following **except**:
   a. coughing
   b. touching contaminated surfaces
   c. sneezing

3. Which of the following is **not** true about vaccines?
   a. they stimulate an immune response
   b. they are the most effective means of controlling infectious diseases
   c. they are no longer needed after the age of 18
   d. they cause immunity to a pathogen without causing symptoms of disease

4. Which of the following is part of the body’s nonspecific defense mechanism?
   a. skin
   b. T cells
   c. antibodies
   d. B cells

5. Which of the following can lead to chronic liver disease?
   a. hepatitis B
   b. diphtheria
   c. hepatitis A
   d. a and c

6. All of the following are ways to make vaccines **except**:
   a. use an antibiotic
   b. weaken the virus
   c. inactivate the virus
   d. use inactivated toxins

7. The most common sexually transmitted disease is:
   a. influenza
   b. mumps
   c. human papillomavirus
   d. varicella

continued
Fill in the blanks in the following sentences.

8. B cells produce ___________________________.
9. Organisms that can cause disease are known as _________________.
10. Give two examples of organisms that can cause disease: ___________ and _________.
11. Tetanus is unique because ___________________________.
12. The _____ grants a license to make and sell vaccines.
13. The ________ decides whether people will be required to get certain vaccines.
14. An influenza vaccine should be given ___________.
15. Give two examples of when adults need vaccines: __________ and ____________.
16. Which part of the immune system do vaccines stimulate? ______________________
17. List the three jobs of T cells:
   1. ______________________________________________________
   2. ______________________________________________________
   3. ______________________________________________________
18. List the four roles of the immune system:
   1. ______________________________________________________
   2. ______________________________________________________
   3. ______________________________________________________
   4. ______________________________________________________
19. List four ways to reduce your chance of getting sick:
   1. ______________________________________________________
   2. ______________________________________________________
   3. ______________________________________________________
   4. ______________________________________________________

Answer the following questions on a separate sheet of paper.

20. How do vaccines work with the immune system?
21. What is the benefit of getting vaccinated?