Crossword Puzzle  Use the clues below and on the following page to complete the puzzle.

Across
1. used to identify the microorganism that causes a specific disease: Koch’s ____________
3. substance that triggers an immune response
5. condition in which smooth muscle contractions reduce the size of air passageways in the lungs
9. any animal that carries disease-causing organisms from person to person
12. response in which killer cells transfer special proteins into the cell membrane of a pathogen: cell-mediated ____________
13. injection of a weakened form of a pathogen to produce immunity
15. any change other than an injury that disrupts the normal functions of the body
17. overreaction of the immune system
18. protein that binds to antigens on the surfaces of pathogens
19. ___________ immunity results when millions of memory B cells remain in the body

Down
2. poison that disrupts bodily functions
3. compound that kills bacteria without harming the cells of humans or animals
4. Pasteur’s and Koch’s ___________ theory of disease
6. the spread of cancerous tumors beyond their original site
7. chemical released by mast cells that increases the flow of blood and fluids
8. the use of a combination of chemicals to destroy cancer cells
10. A vaccine produces ___________ immunity.
11. a mass of tissue growing uncontrollably
14. disease-causing organism
16. elevated body temperature

Completion On the lines provided, complete the following sentences.
20. A nonspecific defense reaction to tissue damage caused by injury or infection is called ___________.
21. To block viral replication, cells infected with a virus produce ___________.
22. A series of specific defenses that attack a disease-causing agent are called ___________.
23. Immunity against pathogens in the body fluids is called ___________ immunity.
24. Cancerous cells that can invade and destroy surrounding healthy tissue are ___________.