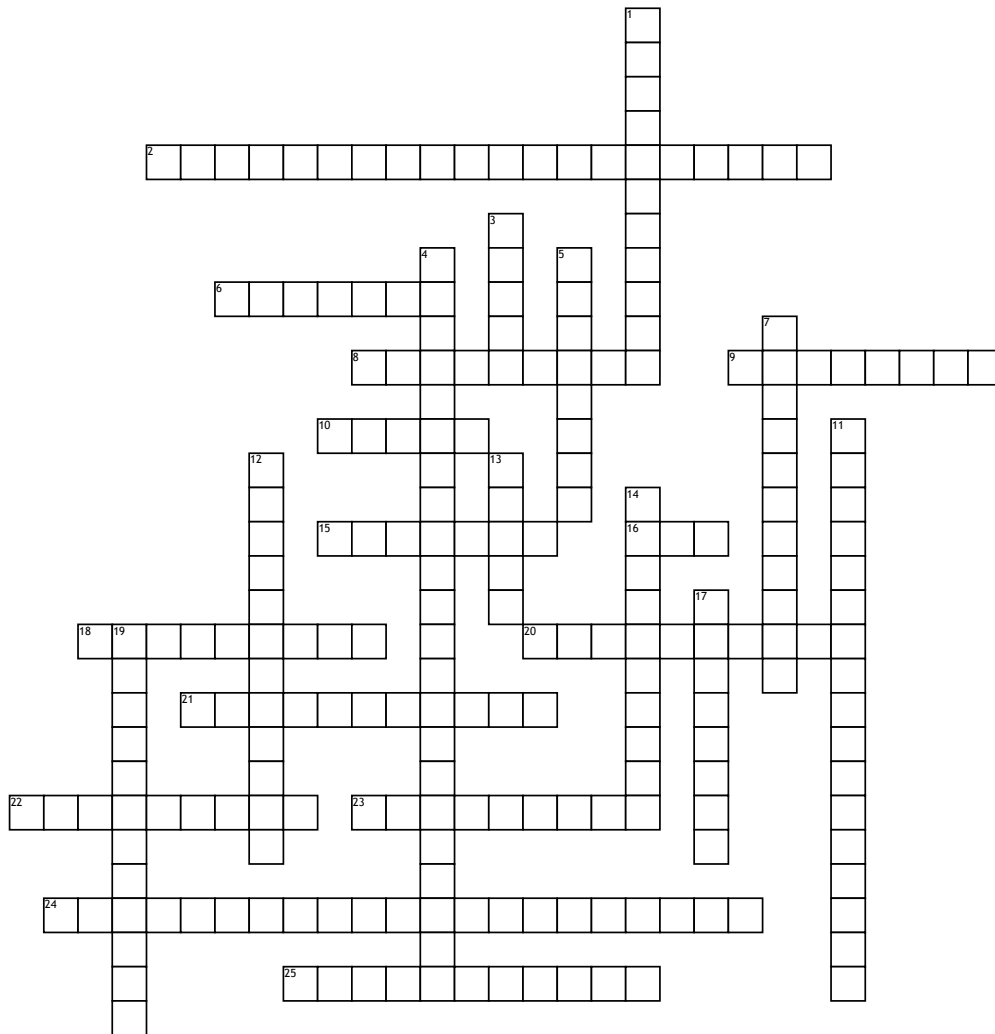


Name: _____

Date: _____

immune system



Across

2. T cell that kills an antibody-antigen bound cell
 6. Dead or weakened organism that induces specific immune without causing disease
 8. Hypersensitive response to a non-harmful antigen
 9. A disease causing agent
 10. Cells that develop in bone marrow and produce antibodies
 15. Any foreign material causes an immune response
 16. Disease that kills TH (Helper T Cells) cells

18. Chemical released by mast cells that cause inflammatory response
 20. B cell that begins antibody production after antigen is encountered a second time
 21. B cells that produce more antibody after antibody binds to antigens
 22. Invasion of microorganism by pathogens
 23. Immune cells found in tissues
 24. Specific defense that uses antibodies
 25. T cell that stimulates production of cytokines and CTLs

Down

1. White blood cells
 3. Inflammatory response that slows growth of pathogen by denaturing its proteins

4. Specific defense that uses T cells
 5. Protein that binds to antigens
 7. Cells that engulf and destroy invading microbes
 11. Kills virus-infected cells non specifically
 12. Swelling and redness; response to tissue damage
 13. Cells that develop in thymus and recognize antigen-antibody bound cells
 14. Cells that consume foreign/damaged/dead materials
 17. Protein that activates B and T cells
 19. Immune system remembers invaders it has destroyed before and kills them quickly the second time

Word Bank

B Cell
 Histamine
 Antigen
 T Cell
 Lymphocytes
 Infection
 Immune Memory

Cytotoxic T Lymphocyte
 Inflammation
 Vaccine
 Antibody
 Pathogen
 Helper T Cell

Fever
 Macrophages
 Mast Cells
 Memory Cell
 Cytokine
 Allergies

Humoral immune response
 Phagocytes
 Cellular Immune Response
 Plasma Cells
 Natural Killer Cell
 HIV