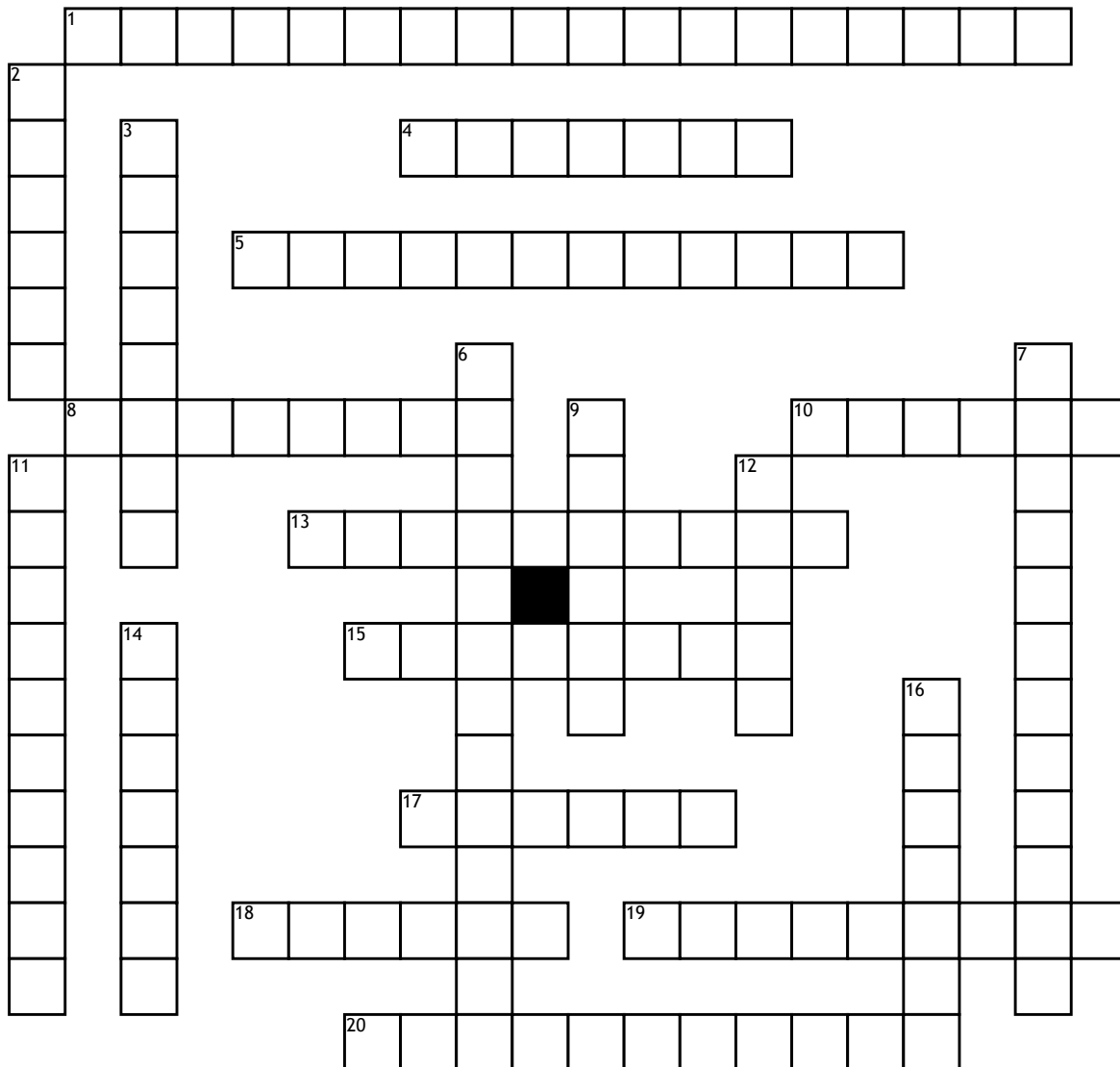


# Lymphatic and Immune system



## Across

1. Drain and process extra-cellular fluid
4. Activated by helper T cells
5. localized response triggered by damaged tissue
8. blood protein produced in response to a specific antigen
10. Provides site for lymphocyte proliferation, immune response, and surveillance
13. Located in the lymphatic vessels
15. Systemic and has memory
17. responsible for producing antibodies

18. Where T lymphocytes go to mature

19. group of proteins that act as chemical messengers made by the immune system
20. type of drug used in treatment and prevention of bacterial infections

## Down

2. Uses B cells to make antibodies
3. used to provide immunity to many diseases
6. Empties lymph into venous circulation
7. Targets infected cells

9. nonspecific defense mechanisms that come react to an antigen's appearance in the body

11. white blood cells that search for pathogens and cellular debris
12. nonspecific response regulated by the hypothalamus
14. toxic or foreign substance that induces an immune response
16. Gather and remove pathogens entering the pharynx