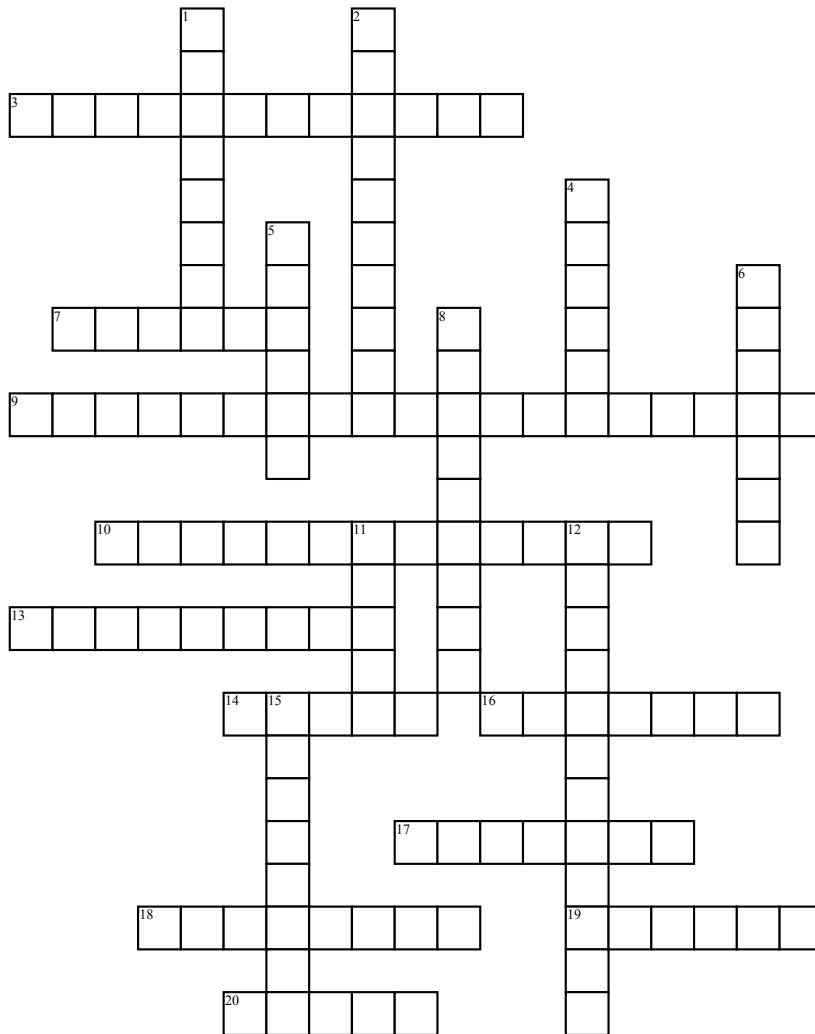


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# unit 12



## Across

3. redness, heat, swelling, and pain from damaged tissues

7. stores blood platelets

9. small valves preventing lymph from leaking

10. empties lymph into the venous circulation

13. activate the immune system and is a lymph filter

14. secrete antibodies c mark antigens for destruction

16. antibodies in body fluids mark antigens for destruction by phagocytes

17. a substance used to stimulate the production of antibodies and provide immunity against one or several diseases

18. a blood protein produced in response to and counteracting a specific antigen.

19. T lymphocytes are able to defend us against specific pathogens

20. an abnormally high body temperature, usually accompanied by shivering, headache, and in severe instances, delirium.

## Down

1. has to be primed by a specific antigen

2. a medicine that inhibits the growth of or destroys microorganisms.

4. gather and remove many pathogens entering the pharynx

5. 1st line of defense surface barriers and 2nd internal barriers

6. a toxin or other foreign substance which induces an immune response in the body, especially the production of antibodies.

8. white blood cell that engulfs pathogens and cellular debris

11. manage immune response

12. targets infected cells, lymphocytes do the killing

15. any of a number of substances, such as interferon, interleukin, and growth factors, which are secreted by certain cells of the immune system and have an effect on other cells

## Word Bank

cell-mediated

T Cell

Fever

cytokine

adaptive

Lymph Node

antibiotic

Vaccine

Humoral

Innate

Thymus

antigen

B Cell

Phagocyte

tonsil

Antibody

spleen

lymphatic capillaries

lymphatic duct

inflammation