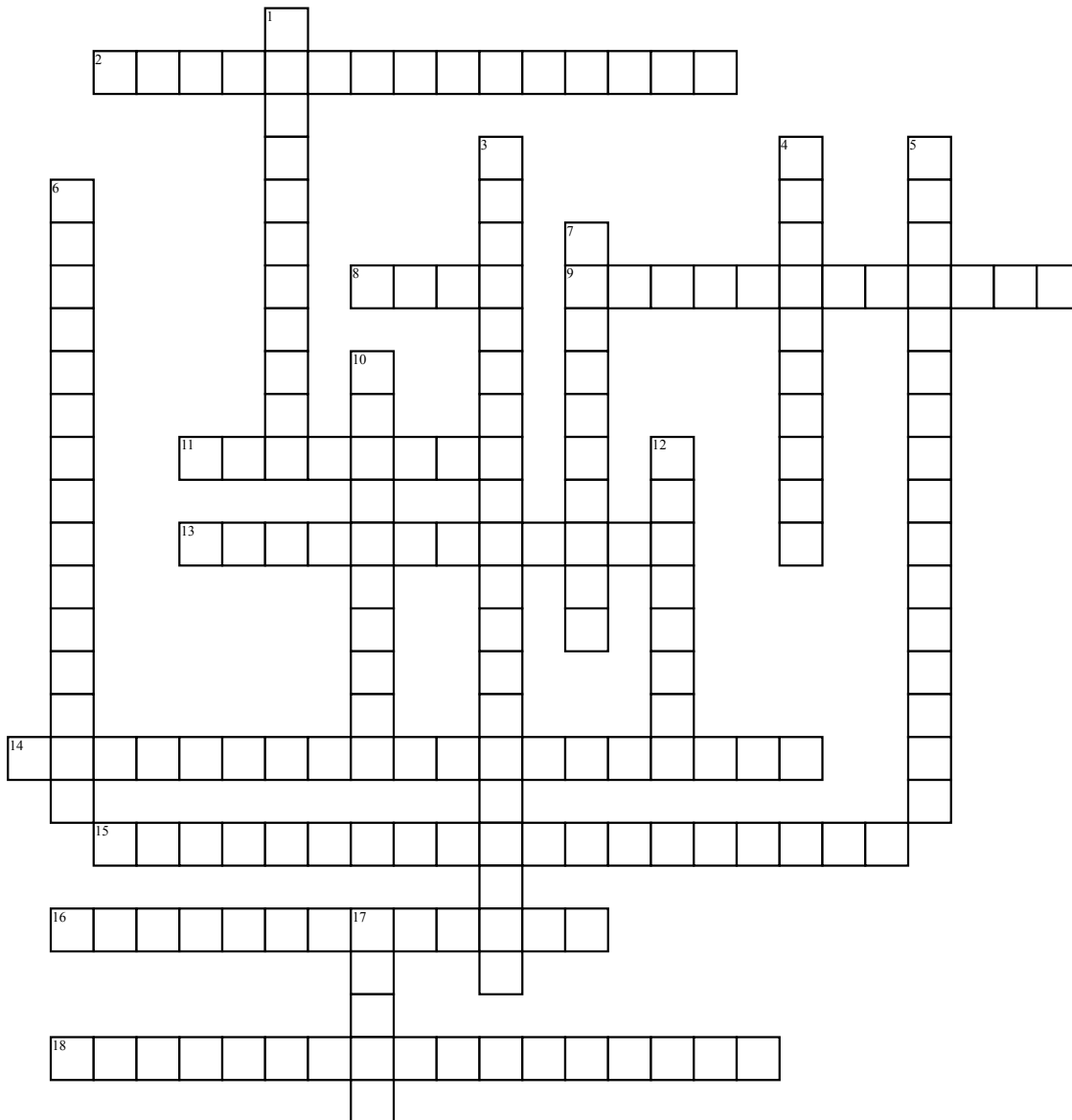


Name: \_\_\_\_\_

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

# Second Line of Defense



## Across

2. Constant migration through blood and tissues looking for foreign cells

8. pathogen associated molecular pattern

9. Tissue injury caused by physical or chemical agent or pathogenic microorganism

11. cell type with the ability to differentiate into macrophages or dendritic cells

13. destruction of pathogens by neutrophils, monocytes, lymphocytes, and macrophages

14. has a major immune function that provides a passageway within and between tissues and organs, also containing many white blood cells

15. Phagocytosis, inflammation, fever, interferon, complement

16. The second line of defense has to be ready at the

18. protein receptors, multiple types

## Down

1. when a white blood cell toll like receptors comes in contact with a PAMP

3. Mediator with both vasoactive and chemotactic effects and has 5 stages: initiation, amplification, cascade, polymerization, and membrane attack

4. white blood cells that are attracted to chemokines

5. residing on the surface of white blood cells

6. Has three major functions one acting as a "drain off" for inflammatory response \*study all functions

7. White blood cells migrate out of circulation

10. Surveillance of white blood cells

12. A blood cell type with a function of inflammatory response

17. Inflammation provokes a systemic response with \_\_\_\_\_ and proliferation of white blood cells