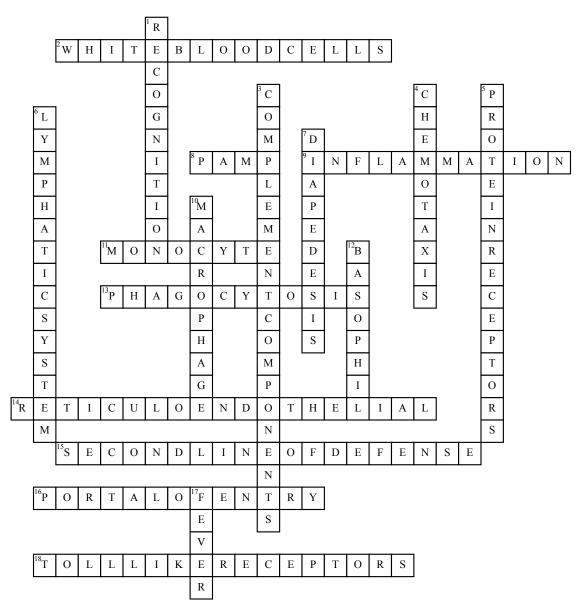
## Second Line of Defense

\_\_\_\_\_



## Across

 Constant migration through blood and tissues looking for foreign cells
 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 nuetrophils, 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 chemotactive 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 cells12. A blood cell type with a function of inflammatory response

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