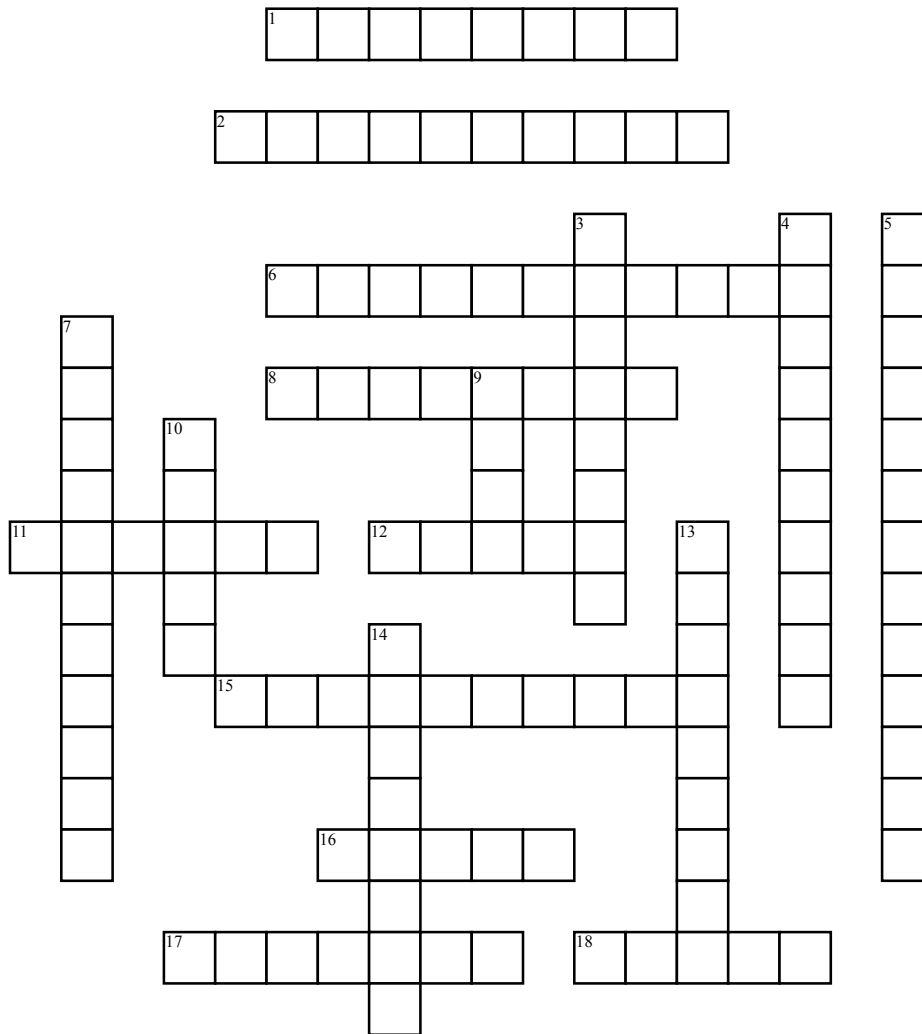


Name: \_\_\_\_\_

# Germ and The Immune System



## Across

1. this type of cell is formed in response to an antigen in order to remove the antigen from the body

2. cells that eat and destroy foreign materials

6. mucous lining in the \_\_\_\_\_ tract has cilia that move in wave-like motions to expel mucus through coughing or sneezing

8. organism that lives on a host and has three types (protozoa, helminths, ectoparasites)

11. the organ that filters through your blood and picks out infected cells

12. infectious agent that does not need a host cell and characterized by having cell walls

15. white blood cell that produces antibodies to kill the invading pathogen

16. needs a host cell to replicate but can live outside of a host for a short period of time

17. first line of defense when breathing in substances

18. type of lymphocyte that destroys body cells that have been taken over by infectious agents

## Down

3. single-celled organism that can be harmful or helpful and categorized by their shape

4. the organ that filters through lymph fluid to pick out infected cells and kills them with lymphocytes

5. \_\_\_\_\_ cells protect the body by identifying and killing cells that have been infected by germs

7. \_\_\_\_\_ immune defenses include skin, respiratory tract, digestive tract, phagocytes and natural killer cells

9. forms a waterproof outer barrier that protects the body from invading germs

10. type of lymphocyte that produces antibodies to attack invading pathogens

13. mucous lining in the \_\_\_\_\_ tract catches germs that have been swallowed

14. \_\_\_\_\_ immune defenses include lymphocytes, bone marrow, the thymus, tonsils, the spleen and the lymph nodes