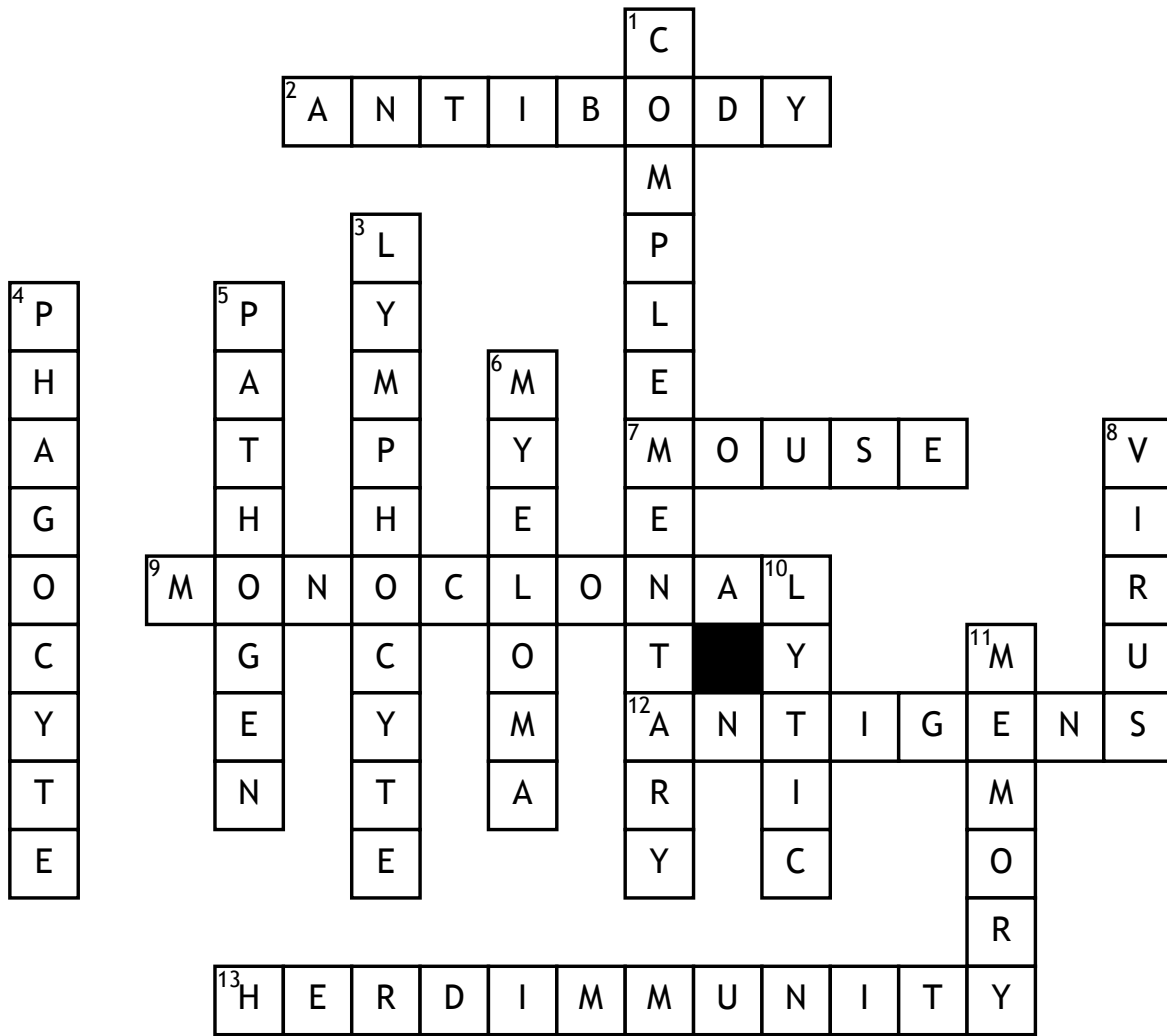


Name: _____

Date: _____

Immune System



Across

2. What name is given to a molecule produced in response to an antigen
7. What animal is used to produce monoclonal antibodies on a large scale
9. What term describes antibodies that are used in diagnosing disease or are used in pregnancy tests
12. What is the name given to proteins found on the surface of pathogens that are identified as being foreign by the immune system

13. what two words describe the protection given to a population when sufficient numbers of the population have been vaccinated against a pathogen (4, 8)

Down

1. what word describes the relationship between the shape of an antibody and an antigen
3. Name a type of white blood cell that produces antibodies
4. Name a type of white blood cell that can engulf pathogens
5. What is general name given to a microorganism that causes disease

6. What type of cells are spleen cells fused with when producing monoclonal antibodies

8. What name is given to microscopic acellular structures that can replicate inside host cells
10. Name the type of life cycle of a virus that results in the replicating virus bursting the host cell
11. What type of lymphocyte is important in a secondary immune response