

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

# Immunology Exam 1

1. Cell or cells that mature in the thymus
  2. Response is the immediate and the same for all pathogens
  3. Immunity gained without an immune response; antibodies are injected
  4. Activates the complement proteins
  5. Located on cytotoxic T cell
  6. Cell or cells that mature in the bone marrow
  7. Substance that stimulates an immune response
  8. Enzyme that attack cell wall of some bacteria
  9. Monocytes become \_\_\_\_\_ when they enter the tissue
  10. Cells that attack and lyse other cells that are infected or damaged
  11. Group of cells that can take up antigens and present them to lymphs
  12. Upper portion of the antibody capable of antigen binding
  13. When a pathogen is marked for phagocytosis
  14. Releases histamine when activated
  15. Generation of blood cells
  16. These proteins are found in the blood, lymph, and interstitial spaces
  17. Portion of the antibody that determines its class
  18. Protein that is located on both helper T cell and cytotoxic T cell
  19. Protein cleaved into C3a and C3b
  20. Complement system proteins are made in the \_\_\_\_\_.
  21. Response that has ability to create memory cells
  22. TLR4 and TLR7 are examples of \_\_\_\_\_.
  23. Most abundant blood leukocytes, first responders to site of infection, short life span
  24. Complement system pathway that requires IgG or IgM for activation
- A. T-cells
  - B. C3
  - C. Classic Pathway
  - D. CD3
  - E. Lectin Pathway
  - F. Macrophages
  - G. Lysosome
  - H. Antigen-producing cells
  - I. Liver
  - J. Innate Immunity
  - K. Adaptive Immunity
  - L. Mast Cell
  - M. Hematopoiesis
  - N. Passive Immunity
  - O. Cytotoxic T-cells
  - P. CD8 protein
  - Q. Cytokines
  - R. Complement
  - S. Neutrophils
  - T. FAB
  - U. B-Cells
  - V. Fc
  - W. Toll-like receptors
  - X. Presence of pathogens

25. Pathway that is activated by mannose or other sugars

Y. Opsonization

26. Main form of communication immune system is through \_\_\_\_\_.

Z. Antigen