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

Immunology Exam 1

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