Conflict:Immunity: <https://www.biomanbio.com/HTML5GamesandLabs/Physiogames/conflictimmunityhtml5page.html>

Command and control your army of white blood cells to fight off viruses and bacteria! Blast them with antibodies and destroy them before they destroy the body! Learn how the immune system works while having fun!

You must first learn about what the following leukocytes (white blood cells) do.

Macrophage:

Helper T-cell:

Killer T-Cell:

B-Cells:

Plasma Cells:

Memory Cells:

Cell mediated immunity uses what type of WBC to attack and kill the infected cell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are released that cuase the cell to lyse or \_\_\_\_\_\_\_\_\_\_.

Level I:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ surface protein that helps identify and organism.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ disease causing organism.

Level II:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ protein that tags a specific antigen.

Level III:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are very specific to a particular antigen.

Level IV:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ingest pathogens by endocytosis.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ help activate displayed antigen to activate other WBC’s.

Level V:

Go to “hints” to answer the following question. What three cells (in the correct order) are needed to destroy an infected cell?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ produce antibodies that mark pathogens.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kill non-resistant bacteria but may cause an increase in resistant bacteria.

Level VI:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a bacterial infection that someone may get after a viral infection because their system is weakened.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ lymphocytes that destroy and kills cells infected by pathogens.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kill bacteria.

Level VII:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ infects and destroys several kinds of WBC’s and weakens the immune system.