Internet Assignment: T Cell Dependent Antigens

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_

<http://highered.mcgraw-hill.com/sites/0072507470/student_view0/chapter22/animation__t-cell_dependent_antigens__quiz_1_.html>

1. What usually happens to viruses and bacteria once ingested by phagocytes?
2. What happens to these pieces?
3. What kind of cell interacts with an antigen that’s presented by a Class II MHC molecule?
4. What does this interaction do to the interacting cell
5. After this interaction, what does the cell do next

Internet Assignment: Cytotoxic T Cell Activity Against Target Cells

<http://highered.mcgraw-hill.com/sites/0072507470/student_view0/chapter22/animation__cytotoxic_t-cell_activity_against_target_cells__quiz_1_.html>

1. What happens to viral proteins when they infect a cell
2. What class of MHC will these interact with?
3. When complexed with an MHC molecule, what happens to the antigen
4. What type of cell will interact with this complex, and what will it ultimately do to the infected cell
5. What does perforin do
6. Whay is perforin bad for cells
7. Are cytotoxic T cells able to be re-used on other cells?

***Critical Thinking:***

1. *Self proteins are also presented on the surface of cells via the Class I MHC complex, why is it important that Tc cells don’t recognize self proteins*
2. *What other cell interacts with the Class I MHC*
3. *What is the fundamental difference between antigens presented on class I MHC compared to those presented on class II MHC?*