Internet Assignment: The Immune Response

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_

1st vocabulary review. Define the following:

1. Antigen

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

1. What activates the immune response?
2. What 3 things does a macrophage do when it encounters a pathogen?
3. What do you call a cell that displays an antigen fragment on its surface?
4. What kind of cell with an antigen presenting macrophage interact with, and what property facilitates this interaction
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. During this interaction what does the macrophage do? What is the response of the T-helper cell to this?
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Describe the immune response when a normal body cell is infected.
7. What activates a B cell
8. What does a B cell do upon activation?
9. How are antibodies used in the immune response
10. What are memory cells
11. What does interleukin 1 do?
12. What does interleukin 2 do?
13. Critical thinking: What is most responsible for the ability to all these different immune cells to interact with each other?