Internet Assignment: Antigen Processing

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

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

1. What determines how antigens are processed?
2. What kinds virulent proteins are produced inside of cells?
3. Protreins that originate inside the cell are complexed with what type of MHC molecules
4. Where does this association take place
5. What is the pathway an internal proteins takes to be displayed on the cells surface?
6. Critical thinking: In the immune response, foreign antigens are recognized by T cells, while self-antigens are unrecognized by T cells. How does this lead to different responses by the immune system, and why are these different responses so fundamentally important in maintaining homeostasis? (Hint: what would be the outcome if self antigens were also recognized by T-cells)
7. How is antigen processing and presentation different for antigens that originate outside of the cell?