

Lymphatic & Immunity // C21  
Things to Know

1. What cell increases number from 5K to 25K follow bacterial infection?
2. What WBC moves from blood to interstitial space and may initiate inflammation? What is secreted by this cell? Outcomes?
3. What are macrophages functions? Two main functions?
4. What WBC increases number after parasitic infection?
5. What is a respiratory burst?
6. What WBC may create respiratory burst?
7. What WBC is located in the stratum spinosum of the epidermis? What is this cell's story? Functions?
8. What is antigen processing and presentation? What WBC may do this?
9. What WBC have receptors? What do these receptors dock to?
10. What are MHCP? (The hot dog buns)
11. What are the different types of MHCP? What type of MHCP do each cell type have: host cells, macrophages, dendrite cells, and B cells.
12. What are the four cardinal signs of inflammation? What is fifth sign associated with inflammation?
13. What are the four type of antibody mediated immunity? (one type occurs with a snake bite)
14. What are the features of the three lines of defenses of immunity?
15. Which WBC is required to complete activatoin of cellular and humoral immunity?
16. What is the significance of the phrase born, educated, and deployed?
17. What is the significance of the phrase recognize, react, and remember?
18. Where are B cells and T cells educated? What do they receive when they are educated?
19. What does it mean to be naive immunocompetent? How do these cells become un-naive?
20. What WBC may provide a "kiss of death"? When?
21. What is the significance of memory cells? When are they created? When used?
22. What is complement? What WBC may activate complement? When? Why?
23. What is a NK cell? Function? Which line of defense?
24. What is the significance of the phrase render harmless and tag for destruction? What does this? When?
25. What are the two filters? What occurs in each filter? Functions?
26. How are these cells activated: cytotoxic T cells, helper T cells, and B cells? Function of each of these cells?
27. After a macrophage activated a helper T cell, what other events occur?
28. Why do we need two forms of adaptive immunity?
29. What are the two key features of adaptive immunity?
30. What is the difference between a foreign antigen and an epitope?
31. What must occur in order for a bacteria to cause an infection?