BIOL 112 – OUTLINE #11 – ANIMAL IMMUNE SYSTEMS

1. Innate immunity – external
2. skin and skin secretions
3. digestive system secretions
4. respiratory system mechanisms
5. Innate immunity – internal
6. phagocytic white blood cells
7. antimicrobial proteins
8. natural killer cells
9. inflammation
10. Acquired immunity
11. antigen recognition
12. antigens and epitopes
13. B cell receptors
14. T cell receptors
15. antigen presentation on MHC molecules
16. lymphocyte development
17. generation of diversity
18. testing and removal
19. clonal selection
20. Integrated B and T cell function
21. T cell function
22. helper T cell function
23. cytotoxic T cell function
24. B cell function
25. recognition and activation
26. antibodies
27. Immunity
28. active immunity
29. passive immunity
30. Immune system failure
31. allergic reactions
32. autoimmune diseases
33. immunodeficiency diseases