Recap – The Lymphatic System and Immunity

1. Disease causing organisms are ____________.
2. Lymphatic system starts as a peripheral network of lymphatic vessels begins in ___________ ___________ and ends at connections to ___________ ___________.
3. Lymph flows through lymphatic vessels and resembles plasma but has a much lower % of ___________.
4. Lymphatic tissues are collections of loose connective tissue and lymphocytes. For example ___________ and ___________ ___________.
5. Lymphatic organs are complex organs joined to lymphatic ducts. Examples include ___________ ___________ and ___________ ___________.
6. B-cells originate and mature in ___________ ___________.
7. T-cells originate in ___________ and mature in ___________. (mature in = differentiate)
8. 1st line of defense is formed by ___________ and ___________ ___________ and their secretions.
9. 2nd line of defense ___________ cells, small proteins ___________ and ___________ response.
10. Both 1st and 2nd line of defense, are ___________ ___________ but 3rd line of defense is ___________.
11. To secrete antibodies in large # the B-cells change to ___________ cells.
12. B-cells can secrete very large # of antibodies only when activated by ___________ T-cells.
13. After you get sick and develop immunity ___________ cells trigger a strong antibody response against specific pathogen and save you from that disease.
14. ___________ immunity means your body is making its own antibodies. It would happen in case of getting sick and when given ___________.
15. ___________ immunity means you are getting antibodies made by an organism other than you. For example a baby gets antibodies from mother’s milk.
16. Immunological surveillance is done by ___________ ___________ cells.
17. Inflammation is brought by ___________ cells of blood and ___________ cells of connective tissues.
18. AIDS virus attack ___________cells of immune system and compromise it.
19. Natural Killer cells and Cytotoxic T cells kill ___________cells and ___________infected cells.
20. ___________cells can bind to transplant cells and attack them by declaring them non-self.