

Immunology worksheet

1. Define the difference between antibody mediated response and cell mediated response.
2. Describe the process in which a Macrophage digests a pathogen, presents an antigen on the MHC protein to a helper T cell, which activates B cells and T cells. Include proteins like CD4, MHC, CD8, B17, and CD 28.
3. How does HIV “Hack the system”? Include such proteins as CD4, gp120, gp 41, p24 capsid in your discussion of the system.
4. What is the difference between retro viruses and DNA viruses and why does this make retro viruses so difficult to fight?

5. Track the movement of the disease.

Who did you share “fluid” with?

6. Track the selection of HIV susceptible versus HIV resistant types.

Generation	HIV susceptible	HIV resistant
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