**AP Biology: Classification, Immunity and Microorganisms remediation**

1. Contrast Cell-mediated and Humoral response to a pathogen. Be specific about the types of cells involved in each (Hint: Cells are dendritic cells, T-Cells, B-Cells, Memory Cells, Macrophages, Killer Cells, Helper T Cells), and the intensity of the response.

1. Contrast viruses and bacteria with respect to structure, life cycle(s), how they infect cells, uses for humans, and classification.
2. Contrast the following pairs of terms:
   1. Cladistics and Phylogeny
   2. Monophyletic and polyphyletic
   3. Analogy and homology
3. Why is it said that each cladogram or phylogenetic tree that you view is hypothetical? Explain your answer.