AP Biology Chapter 8 AP Style Free Response

Name _____ date _____

1. In a certain prairie community, a dominant prairie grass species has recently been infected with a virus that disrupts one of the electron transport proteins in the chloroplasts of infected cells.

   (a) **Describe** the most likely effects on cellular processes (be specific as to which processes and molecules are most likely to be directly affected).

   (b) **Describe** and **explain** the most likely effects on individual infected plants.

   (c) **Predict** the short-term effects (within a year of infection) on the infected plant populations and their communities. **Justify** your prediction.

   (d) **Predict** the long-term effects (years to decades after infection) on the infected plant populations and their communities. **Justify** your prediction.

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