

**Green Glacier- Bane or Salvation: Elaborate**

Name: \_\_\_\_\_

1. Cedars are the main player in woody plant encroachment (the green glacier). Describe three ways cedars can negatively affect a rangeland ecosystem.
  
  
  
  
  
  
  
  
  
  
2. Rangelands can be managed in ways that are "climate-safe." This means these practices help the land stay healthy for plants and animals and can also help us deal with issues like too much carbon in the atmosphere or the risk of big wildfires. Think back to our discussions about how to manage rangelands, especially when dealing with encroaching trees. What are **two** specific actions or approaches we talked about that could be considered climate-safe? Identify and explain each one.
  
  
  
  
  
  
  
  
  
  
3. Dr. Twidwell, professor at University of Nebraska-Lincoln stated, "This (woody plant encroachment) affects every citizen that lives in the Great Plains". Use data from the lessons to support this statement.
  
  
  
  
  
  
  
  
  
  
4. A biology teacher wants to create a proposal for the community/school board to designate an area on school grounds as an outdoor prairie classroom laboratory. Choose **one specific element** you think she should definitely include in her proposal that will help persuade them. Explain **why** this element is important for the education of the value in prairies. How could this area be used by different classes?