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U.S. Botanic Garden post-trip assignment

Answer the following questions by typing your answer in the space provided. Upload this document to ELMS in the Post-trip Assignment section before Money 11/26 at 11:59pm.

1. Pick a plant we learned about and describe its adaptive traits.

2. Why does bamboo growth need to be controlled? What potential benefits are there for bamboo as a resource?

3. Why were plants more water intensive 600 million years ago? What does this potentially mean for plants today as freshwater availability becomes scarcer?

4. What event caused a large amount of plant diversity in Hawaii to disappear?

5. Think about loss of biodiversity. What kind of negative impacts could humanity experience from the loss of plant diversity?

6. Why is it important to monitor the introduction of species into new environments?

SOPHOMORES ONLY

The Sustainable Development Goals have various targets, that can be found here: <https://sustainabledevelopment.un.org/?menu=1300>. In around 350 words, discuss how any topic that resonated with you during your experience at the U.S. Botanic Garden or from a topic discussed in the pre-trip quiz can be linked to the application of the SDGs. You can choose to discuss one specific SDG with various examples, pick multiple SDGs, etc. Think about the importance of preserving the plants, the application of biodiversity, and/or the importance of creating sustainable spaces. This is reflective and there are no necessarily wrong answers. I’m looking for deep thinking and a clear connection between the SDGs and your experience on Saturday.