

Laboratory Activity #1 — Student Laboratory Packet

Relationships and Biodiversity*A Laboratory Activity for the Living Environment***Introduction**

Botana curus is a valuable plant because it produces Curol, a compound used for treating certain kinds of cancer. Curol cannot be produced in the laboratory. *Botana curus* grows very slowly and is on the endangered species list, so its ability to provide Curol in large quantities is limited.

Species that are more closely related to *Botana curus* are more likely to produce the important substance Curol. Three similar plant species that are plentiful (X, Y, and Z) may be related to *Botana curus*. You will work as a researcher to:

- gather structural and molecular evidence to determine which plant species is most closely related to the hypothetical species, *Botana curus*
- use this evidence to decide which plant species is most likely to serve as a source of the important substance Curol

Safety

- You will need to wear goggles while conducting Tests 4 and 5.
- Do not eat or drink anything in the laboratory while doing this laboratory activity.

Important Note: Record all of your data and answers on these laboratory sheets. You will need to keep them for review before the Regents Examination. Later, you will need to transfer your answers to a separate Student Answer Packet. Your teacher will use the packet in grading your work, and the school will retain it as evidence of your completion of the laboratory requirement for the Living Environment Regents Examination.

Structural Evidence for Relationships

Perform the following tests and record your observations in Table 1 on page 8 of this packet. Use a hand lens or microscope as needed.

Test 1-Structural Characteristics of Plants

- Do not remove the plant samples from the plastic bags/cards.
- Compare the structural characteristics of the plant samples. Record your observations in Table 1 (see page 8).

Test 2-Structural Characteristics of Seeds

- Do not remove the seed samples from the plastic bags/cards.
- Compare the structural characteristics of the seed samples. Record your observations in Table 1.



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Nys Relationships And Biodiversity Lab Answers

Patrick Vollmar



Nys Relationships And Biodiversity Lab Answers:

Enjoying the Track of Expression: An Mental Symphony within **Nys Relationships And Biodiversity Lab Answers**

In some sort of eaten by displays and the ceaseless chatter of instant conversation, the melodic beauty and mental symphony created by the prepared word usually disappear into the background, eclipsed by the persistent sound and disruptions that permeate our lives. Nevertheless, set within the pages of **Nys Relationships And Biodiversity Lab Answers** a wonderful literary treasure brimming with organic emotions, lies an immersive symphony waiting to be embraced. Constructed by an outstanding musician of language, that fascinating masterpiece conducts readers on a psychological trip, well unraveling the concealed melodies and profound influence resonating within each carefully crafted phrase. Within the depths with this poignant assessment, we can discover the book is main harmonies, analyze their enthralling writing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

https://crm.avenza.com/About/publication/Documents/repair_manual_for_suzuki_4x4_700.pdf

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