

Laboratory Activity #1 — Student Answer 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

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

Test 2—Structural Characteristics of Seeds

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

Relationship Biodiversity Lab Answer Key

Lingjun Ying



Relationship Biodiversity Lab Answer Key:

Reviewing **Relationship Biodiversity Lab Answer Key**: Unlocking the Spellbinding Force of Linguistics

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Print. English (3320-263EN). Product Details. Model # 38235; Serial # 3000001 - 3999999 ... SINGLE STAGE SNOWTHROWER SERVICE MANUAL Adults should operate the snowthrower only after reading the owner's manual and receiving proper instructions. •. Keep everyone, especially children and pets, ... Parts - S-200 Snowthrower Manuals. Service Manual. Print. English (492-0700). Operator's Manual. Print. English (3311-577). Product Details. Model # 38120; Serial # 1000351 - 1999999 ... Toro s200 snowblower owners manual Toro s200 snowblower owners manual. Why won't my toro snow blower start. This page currently provides links to Service Manuals for CURRENT PRODUCTION MODELS ... Parts - S-200 Snowthrower Manuals. Service Manual. Print. English (492-0700). Operator's Manual. Print. English (3311-202). Product Details. Model # 38130; Serial # 0000001 - 0015000 ... Toro S-200 Snowblower Starting Instructions Prime it two or three pushes. Pull out the choke all the way. Turn on/off key to on and crank it. In the shop I immediatly push the choke all the way off but in ... Toro 38120, S-200 Snowthrower, 1984 (SN 4000001- ... Toro 38120, S-200 Snowthrower, 1984 (SN 4000001-4999999) Exploded View parts lookup by model. Complete exploded views of all the major manufacturers. My Neglected Toro S-200 Snowblower Oct 23, 2012 — Specifications and Features · 20" wide blow path · TECUMSEH AH520 engine · 2.5 HP @4100 RPM · Champion RJ18YC Spark Plug with .035 gap · A/C powered ... Selves At Risk: Patterns of Quest... by Hassan, Ihab They test spirit, flesh, marrow, and imagination in a timeless quest for meaning beyond civilization, at the razor edge of mortality. And they return with sun- ... Selves At Risk: Patterns of Quest in Contemporary ... Selves At Risk: Patterns of Quest in Contemporary American Letters (Wisconsin Project on American Writers) ; ISBN: 9780299123703 ; Pages: 246 ; About the Author. Selves at Risk: Patterns of Quest in Contemporary ... Selves at Risk: Patterns of Quest in Contemporary American Letters (The Wisconsin Project on American Writers) ... Select Format. Hardcover - \$22.95. Selves At Risk: Patterns of Quest in Contemporary ... Selves At Risk: Patterns of Quest in Contemporary American Letters · Hardcover - Buy New · Hardcover - Buy New · Overview · Product Details · Product Details · About ... Selves at Risk: Patterns of Quest in Contemporary ... Selves at Risk: Patterns of Quest in Contemporary American Letters. By Ihab Hassan. About this book · Get Textbooks on Google Play. Ihab Hassan, Selves at Risk: Patterns of Quest in ... by J Durczak · 1991 — Ihab Hassan, Selves at Risk: Patterns of Quest in Contemporary American Letters (Madison: The University of Wisconsin Press, 1990). Pp. 232. ISBN 0 299 ... Selves At Risk: Patterns of Quest in Contemporary American ... Item Number. 265553642022 ; Brand. Unbranded ; Book Title. Selves At Risk: Patterns of Quest in Contemporary American Lette ; Accurate description. 4.9 ; Reasonable ... Ihab Hassan, Selves at Risk: Patterns of Quest in ... by J Durczak · 1991 — Ihab Hassan, Selves at Risk: Patterns of Quest in Contemporary American 'Letters. (Madison: The University of Wisconsin Press, 1990). Pp. 232. ISBN o 299 ... Selves at Risk : Patterns of Quest in Contemporary American ... Item Number. 386051088530 ; Book Title. Selves at Risk : Patterns of Quest in Contemporary American Lette ; ISBN. 9780299123703 ; Accurate description. 4.9. Holdings: Selves at risk : :: Library Catalog Search - Falvey Library Selves at risk : patterns of quest in contemporary American letters

/. Bibliographic Details. Main Author: Hassan, Ihab Habib, 1925-. Format: Book.