

Name: Section
Assignment Due:

<p><i>Honor Pledge</i></p> <p>"I have neither given nor received unauthorized aid on this activity. All work submitted here is my own, or the result of authorized in-class collaboration."</p> <p>Signed: _____</p>
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Pollination Syndrome Assignment

Format: 20pts

<p><u>Font:</u> Times New Roman; Size 12; <u>Paragraph:</u> 1.15 spacing; 1" margins; <u>Grammar:</u> ≤ 3 obvious grammatical errors; <u>Honor Code:</u> Observed and signed; <u>Length:</u> 1 – 3 sentences per question.</p>	<p><u>Layout:</u> Organize your answers to follow a logical structure (<i>e.g.</i> 1A, 1B, ... 2A, <i>etc.</i>) unless stated otherwise; <u>Literature Citation:</u> in-text and complete at end of assignment; Reference example: Author's Last Name, Initials. (Year) "Title". <i>Journal</i>. Vol:Pages.</p>
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Questions: 80pts

6x 10 point questions and 1x 20 point question. Answers should include **complete sentences** that directly answer the question at hand and explain why you have come to your conclusions.

- 1) Wilmer poses a question in the title of section 2 chapter 1: "Why do animals visit flowers?", answer this question in your own words. (10 pts)
- 2) Throughout the passages you've read, Wilmer distinguishes between floral visitors and pollinators. Explain what this distinction means. (10 pts)
- 3) What does Wilmer mean when she writes on page 8 that "Pollination by animals may therefore be a mutualism ... but it is *not* **altruistic**..."? (10 pts)
- 4) In your own words, what does the term "pollination syndrome" mean? (10 pts)
- 5) Why is it criticized as an outdated idea by some pollination biologists? (10 pts)
- 6) Given the above, why does the idea of pollination syndromes persist? (10 pts)
- 7) Choosing one species that you observed in the herbarium or greenhouse today:
 - (A) Classify its "syndrome" (i.e. the kinds of floral visitors that pollinate it), as best you can, according to what we talked about in lab and what you learned from the Wilmer readings. (5 pts)
 - (B) Use Web of Science (via the NCSU library system) or Google Scholar to find 1 primary literature source that describes the floral visitors of this species. Using this source, answer the following questions:

B.i) What kinds of floral visitors did the authors report observing on this plant species? (5 pts)

B.ii) Were all these species *pollinators*? (Note: Many floral visitors are parasites, commensals, or non-pollinating herbivores) (5 pts)

B.iii) Of the pollinators, how many match the syndrome you picked? How many differed from it? (5 pts)

CITE THE SOURCE THAT YOU USED