

Objectives

- 1) you will have a basic understanding of the structure and function of leaf stomata as well as the role of stomata in regulating gas and heat exchange in vascular plants,
- 2) you will have actually done science - you will have generated a testable hypotheses, collected data, analyzed data, tested your hypothesis, and you will have reported your research results to your peers.

Assessments

- 1) scoring rubric for questions for thought,
- 2) scoring rubrics for research proposal,
- 3) scoring rubrics for written report,
- 4) scoring rubrics for oral presentation,
- 5) scoring rubric for computer data management,
- 6) scoring rubric for critical review of the lab.

Activities

- 1) answer questions for thought,
- 2) design stomata experiment,
- 3) research proposal,
- 4) collect and organize stomata data,
- 5) analyze stomata data on computer,
- 6) written report,
- 7) create visuals and present oral report,
- 8) Q/A session among peers during Stomata Results Symposium,
- 9) critical review of the lab.



* serves objectives of formative evaluation