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