

## FAST PLANTS RUBRIC FOR LAB REPORTS

**Introduction:** This section should contain an explanation of what you are interested in testing and why you think it is worth testing. This may include reference to earlier experiments in the scientific literature where similar experiments were carried out in the same species or in other species; any such experiments should be cited in a reference, with complete bibliographic information in the final section. You should also make it clear what hypothesis (or hypotheses) you were testing.

**Methods and materials:** This section should contain enough information so that other students could use it to replicate your experiment at another university.

**References:** You need to list here the references you consulted. Use an author-date style such as Turabian, but you may use another standard citation style if you wish, as long as you are consistent. The complete citation goes in your "References" section; earlier sections should refer to the cited works by name and date only.

**General mechanics:** Proofread your entire report for grammar, spelling, and math errors. Chemical formulas should be proofread carefully, with special attention to subscripts and superscripts, and to capital versus lower case letters. Species names should be in *italics*, with the first word capitalized and the second word lowercased, e.g., *Homo sapiens*, *Drosophila melanogaster*.

**GRADING RUBRIC** for papers handed in on time (with 10 point deduction for each day late):

5 points	Appropriate heading (name, title, lab partners, date).
10 points	Clear statement of the hypothesis being tested, and why it is worth testing.
30 points	Detailed procedure, including clear and explicit directions that would allow someone else to reproduce what you did.
20 points	Detailed observations, with enough detail for another person to know that they got similar or different results, and with correct units and significant figures.
25 points	Interpretations that show understanding; conclusions consistent with your findings; calculations from any numerical data; experimental error analysis if needed.
10 points	References (properly and consistently formatted) to relevant earlier work.