



Matchstick Cross Timber Woodland



Rubric (20 points possible)

Points	0	1	2	3	4	5
Hypothesis	No hypothesis	General experimental question	Hypothesis with stated relationship between variables (testable)			
Independent & Dependent Variables	No variables mentioned	One variable mentioned	One variable mentioned and how it was varied or measured	Both variables mentioned	Both variables mentioned and how ONE was varied or measured	Both variables mentioned and how BOTH were varied or measured
Procedure	No procedure described	Procedure described with 1 of the 5 steps listed below the rubric	Procedure described with 2 of the 5 steps listed below the rubric	Procedure described with 3 of the 5 steps listed below the rubric	Procedure described with 4 of the 5 steps listed below the rubric	Procedure described with 5 of the 5 steps listed below the rubric
Results	No results presented	Results described without a graph regardless of detail	Results presented with a graph but no comments about correlation or threshold	Results presented with a graph with comments about EITHER correlation OR threshold	Results presented with a graph with comments about BOTH correlation AND threshold	
Conclusion	No conclusion	Conclusion not in CER format	Conclusion with one CER component	Conclusion with two CER components	Conclusion with three CER components	

5 General Procedure Steps:

- Description of student roles
- How the independent variable was changed (could be mentioned in the “variables” part of the presentation; mention in the “procedure” is sufficient for “variables” points)
- Which matches were lit with the stove lighter
- How and **when** the measurements were taken/made (could be mentioned in the “variables” part of the presentation; mention in the “procedure” is sufficient for “variables” points)
- Partial description of at least two trials must be included