

Name: _____
 Homebase: _____

Due Date: _____
 7th/8th Grade Biology

Comprehension Score:

Application Score:

Fast-Plant Genetics Lab Report

An investigation into plant genetics

Novice	Apprentice	Proficient	Distinguished
		<u>Comprehension</u> Using appropriate vocabulary <input type="checkbox"/> Describe how plants inherit and pass on traits (Introduction)	
		<input type="checkbox"/> Describe how information about traits is stored in cells (Introduction)	
		<input type="checkbox"/> Explain how offspring receive genetic material from their parents in sexual reproduction (Introduction)	
		<input type="checkbox"/> Explain dominant and recessive traits and the probability of second generation inheriting these traits (Introduction)	
		<input type="checkbox"/> Make a logical hypothesis as to the genotypes and phenotypes of our second generation plants based on your knowledge of Mendel's work with genetics (Introduction).	
		<input type="checkbox"/> Describe experimental process including rationale for materials and process (Materials and Methods)	
		<u>Application</u> <input type="checkbox"/> Present data in multiple ways including graph, data table and Punnett square (Results).	
		<input type="checkbox"/> Apply your knowledge of trait inheritance to our fast plants by describing why we got the data that we did (our class phenotypes and genotypes) (Discussion).	
		<input type="checkbox"/> Discuss Punnett squares for each of the three traits we are observing in our fast plants (Discussion).	
		<input type="checkbox"/> Follow standard IACS lab report format	
		<input type="checkbox"/> No spelling or grammar errors	

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Feedback and Revision Suggestions

You did great on this!

This should be revised

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Parent/Guardian Signature

Date