

**Perky Plants**  
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The main objective of this experiment was to see if plants grow better in the sunlight or the dark. Research shows that plants need sunlight for photosynthesis. Photosynthesis is the process of converting light energy to chemical energy and storing it in the bonds of sugar. My hypothesis was that with proper plant care, the plants in the sunlight would grow taller than the plants in the dark.

I planted 1 bean seed in 18 pots. I placed 9 pots in the window and 9 plants in the closet. All plants were watered on the same days with the same amount of water. The height of plants was measured daily for 2 months.

After 60 days of growth, 8 out of the 10 plants in the closet were at least 2 centimeters taller than the plants in the window. Even though the plants in the closet had a taller height they were not healthy looking plants. All of the bean plants in the window had at least three leaves and stems that were wide in comparison to the bean plants in the closet. Many of the closet plants had only one leaf and they all had very thin stems. The plants in the window were a deep green and grew straight up towards the window. The bean plants in the closet were more of a whitish-green and the plants grew horizontally and a little bit down.

The average growth of the plants in the closet was 2.4 centimeters taller than the plant in the window. The results of this experiment show that bean plants grow taller in the dark.

	<b>Unsatisfactory 0</b>	<b>Excellent 2</b>	<b>Score</b>
<b>TITLES (x.5)</b>	Title missing.	Title of project	
	Name(s) missing.	Name(s)	
	Hamlin address missing.	Hamlin School Address	
<b>PURPOSE</b>	Purpose is not evident.	Purpose stated.	
<b>RESEARCH</b>	No research is evident.	Research included.	
<b>HYPOTHESIS</b>	No evidence of a hypothesis.	Hypothesis stated.	
<b>PROCEDURE</b>	No evidence of procedure.	Procedure stated.	
<b>DATA/RESULTS</b>	No evidence of data/results.	Data/results included.	
<b>OBSERVATION</b>	No observations evident.	At least one observation included.	
<b>CONCLUSION</b>	Final/average data not stated.	The average...	
	No learning evident.	The results show...	
<b>PRESENTATION</b>	Font not 12 or double spaced. Indented.	Font size 12. Single spaced. Not indented.	
<b>CONVENTIONS</b>	One error in spelling, punctuation, capitalization, and grammar.	No errors in spelling, punctuation, capitalization, and grammar.	
	Not written in past tense.	Written in past tense.	