

## Photosynthesis: Virtual Lab

Go to [http://www.glencoe.com/sites/common\\_assets/science/virtual\\_labs/LS12/LS12.html](http://www.glencoe.com/sites/common_assets/science/virtual_labs/LS12/LS12.html) or...

Search for “Photosynthesis Virtual Lab” in the Google search bar. Then click on the link called “Virtual Lab – Glencoe” (should be the first link).

**Question: Which colors of the light spectrum are most important for plant growth?**

Write your hypothesis here...

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Record data from each trial in the table...

Filter Color	Spinach (avg. height in cm)	Radish (avg. height in cm)	Lettuce (avg. height in cm)
Red			
Orange			
Green			
Blue			
Violet			

Graph the data using a bar graph in the provided space below...

## Analysis and Conclusion

1. What were your independent and dependent variables?
2. Did your data support your hypothesis? Why or why not?
3. What were the differences and similarities you found among the different types of seeds?
4. What conclusions can you make about which color in the visible light spectrum causes the most plant growth?
5. Knowing that “white light” contains all colors of the spectrum, what growth results would you expect under white light?
6. Why do you think the plants growing in the middle are taller than the ones on the side?