

# Virtual Lab: Photosynthesis

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[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)

## Directions:

Read the experimental introduction on the left sidebar, then answer the following questions after manipulating the experimental growth chamber with different types of light and plants. You will need to try a number of combinations to answer the questions below.

## Lab Questions:

1. Which color lamp/s allow for the least amount of growth? (2 points) Which color lamp/s allows the most growth? (2 points)
2. Explain your findings in #1. Why do plants grow better in some colors of light than others? (2 points)
3. Given that white light contains all the colors of the spectrum, what growth results would you expect under white light? (2 points)
4. How is growth of the plants related to photosynthesis? (Hint: think **energy**) (2 points)

**Answers must be typed and please use a different color when placing your answers within this worksheet.**

Submit your detailed answers to me at [alex.aitken@hcsk12.net](mailto:alex.aitken@hcsk12.net) by 11:59 PM on Oct 24<sup>th</sup>.