

1Name: _____

Photosynthesis Virtual Lab

<https://nt7-mhe-complex-assets.mheducation.com/nt7-mhe-complex-assets/Upload-20190715/InspireScience6-8CA/LS12/index.html>

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

1. Make a prediction about which color has the greatest influence.

Plants will grow best with
[red / violet / blue / green / orange] light (circle)

Plants will not grow well with
[red / violet / blue / green / orange] light (circle)

2. Recall that in an experiment, there is an independent variable, or the factor being studied. The dependent variable (also called the responding variable) is what is measured.



In this experiment, what is the independent variable? _____
dependent variable? _____

2. Collect data by changing the color of light.

Color	Spinach		Radish		Lettuce	
	Individual	Average	Individual	Average	Individual	Average
Red						
Orange						
Green						
Blue						
Violet						

3. Write your **conclusions** which include an answer to the original question / hypothesis. Your answer should be in a complete sentence.