



Refer to the graph above to answer the following questions.

1. What is the independent variable, what is the dependent variable?
2. On day 13, which plant was 66mm tall?
2. According to the graph and assuming constant conditions, what should the height of the  $\frac{1}{2}$  Light plants be on day 30?
3. Students kept all the plants under the same control conditions until the first leaves appeared. On which day is it likely that they introduced the experimental conditions?
  - a. 15
  - b. 10
  - c. 6
  - d. 3
4. If on day 15 students fertilized the wavelength plants so that their growth would double between days 15 and 20, their height by day 20 would be about:

5. Based on your answer from #4, how would the height of the wavelength plants compare to the control plants? To the  $\frac{1}{2}$  light plants?
  
6. During which period were the control plants growing the most?
  - a. days 0-5
  - b. days 7-12
  - c. days 15-20
  - d. days 20-25
  
7. Using the following data table, plot the growth of the plant on the same graph on page one. Make sure you provide a key.

Plant Growth under Red Light	
Day	Red Light
1	0
3	3.8
5	9.8
7	27
9	42
11	52
13	65
15	90
17	103
19	118
21	127
23	137
25	144