

Scientific Method Steps – Blue Test

PLANT GROWTH WITH FERTICLIZER

Ms. Yee loves her plants. She notices that they seem to do the best when she feeds them fertilizer, with water and sunlight. She wonders what the fertilizer has in it to help the plants grow. She looks on the Internet and in an encyclopedia about fertilizer. These sources say that fertilizer has extra nitrogen, which the plant needs to grow. She guesses that if she gives her plants the fertilizer, then they will grow bigger than the plants that don't have fertilizer, because it has more nutrients, which help living things grow. To find out, Ms. Yee gets her two similar plants, some fertilizer and some water. Ms. Yee then sets up the plants in the windowsill. She gives the plants the same amount of water and sunlight, but only give fertilizer to one of them, for the next five weeks. She measures the height of each plant at the end of each week. After five weeks, the plant that had the fertilizer grew a total of 5 inches, while the plant without fertilizer grew 4 inches. Ms. Yee decides that her hypothesis was right because the plant that got the fertilizer grew more than the plant that didn't get fertilizer.

Directions:

1. Number the steps in the correct order.
2. Write which section from the description goes with each step.

Research Your Topic

Devise a Hypothesis

Come to a Conclusion

Think of an Idea

Do the Experiment

Make an Experimental Plan

Collect and Record Data
