

“Scientists Are Thinkers”

Question/Problem: What do we want to find out?

Will a cut flower last longer if its stem is cut every day?

Hypothesis: What do we think we will find out? Make a prediction.

The cut flower will last longer than the uncut flower.

Materials: List what you will need to test the hypothesis

1. 2 vases with water
2. 2 cut flowers with long stems
3. Scissors
4. Ruler

Procedures/Steps: State step by step what you are going to do.....specifically

1. Fill both vases with equal amounts of water
2. Cut a half inch off of one of the flowers
3. Put each flower in a separate vase
4. Record the appearance of each flower
5. On each successive day cut another half inch of the of the flower that was cut on the first day
6. Record the appearance of each flower each day until one appears dead/dying

Observe and Record Data: List, picture, chart, graph

A chart should be made describing the appearance of each flower for as many days as is necessary
OR
Pictures can be drawn for each flower each day

Analysis/Results: What does the data tell us?

During the experiment we saw that the uncut flower started to lose its strength sooner than the cut flower

Conclusion: What did I learn? What does it make me want to learn next?

Cutting flowers makes them last longer.

I would like to know if I add different nutrients in addition to cutting the flowers if the flower will last even longer