

Question

How Does the Position of Light Affect a Plant's Growth?

GROW PLANTS GROW

Results

	Day 1	Day 5	Day 10
Plant A	10cm tall, 2cm wide	15cm tall, 3cm wide	20cm tall, 4cm wide
Plant B	10cm tall, 2cm wide	15cm tall, 3cm wide	20cm tall, 4cm wide
Plant C	10cm tall, 2cm wide	15cm tall, 3cm wide	20cm tall, 4cm wide

Explanation of Result

The experiment resulted with the plants growing towards the light source. Plant A was located inches away to the left of the light source and grew curved towards the light. Plant B was located right below the light source and grew taller. Plant C was located inches away to the right of the light source and grew curved towards the left.

Conclusion

In conclusion, my hypothesis was supported because the plants grew towards the light source. The position of light affects the growth of a plant because the plant will grow towards the light source.

Procedure:

1. Set up plants 16 inches below light
2. One plant directly under the growth light
3. Offset two plants sixteen inches from the growth light
4. Water plants 1 tablespoon per day
5. Keep Growth Light on for 12 hours per day
6. Keep notes and record the plants movement

Independent Variable, Dependent Variable and Control

- Independent Variable - where the plants are placed under the light
- Dependent Variable - direction the plants grow
- Control - amount of water, amount of light, and type of plant

Hypothesis

The plants will curve and bend towards the light source's location.

Materials

- Three Small Plants
- Plant LED Growth Light that runs on for twelve hours per day
- 1 tablespoon of water per day
- Camera to record movement for every day

