Plant Maze

Q39

PURPOSE & HYPOTHESIS

Can a plant grow towards the sunlight in a maze? I think the plant will grow to the sunlight.My guess was right it did grow towards the sunlight.

RESEARCH

This in interest me because my mom did this for her science fair project when she was my age.

Phototropism allowed my plant to grow towards sunlight.

The plant can feel the sunlight and that sences the for it grow towards the sunlight.

The is a hormone auxin thats in plants and it helps plants grow in certain directions.This helps the plant grow towards the sunlight.

The very tip of the plant can feel the sunlight, this called coleoptile.

MATERIALS

- One box
- Hot glue gun to glue extra card bored inside for the maze part
- Paint (optional)
- A plant
- A pot to the plant in
- Water for the plant (make sure to water it twice a week)
- Sissors Cut a hole at the top of the box where the sunlight will be coming through so your plant will grow through that hole.

EXPERIMENT

1. Get a box
2. Get extra cardboard for you to put around on the inside for the maze
3. Cut a hole at the top of the box where the sunlight will come in to grow the plant.
4. Get a pot for the plant.
5. Water it 2-3 time every week.
6. Watch it grow!

PHOTOS

You can add an additional 2 slides if you need more space for pictures or graphs.

before:

after:

ANALYSIS

CONCLUSION

My hypothesis was correct.My plant grew to the sunlight to the hole I cut on the top of the box.The plant was slow to grow at first but once we found a better spot at my apartment for the plant to grow faster and it did.This shows why plants need sunlight to grow.

REAL WORLD CONNECTION

I thnk it is important because it showed me that if plants have a little light can grow.WE can grow all kinds of things if we just have a little light.We can even grow veggies this way.

WORKS CITED

- en.wikipedia.org/wiki/Phototropism
- plantcell.org/content/26/1/38
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