

Colorful Growing

Purpose:

The purpose is to see which artificial light helps plants grow the best.

Hypothesis:

If I compare the same types of plants under a plant light, christmas light, and a led light, the plant light will do the best.

Materials:

- Red plastic cups
- Soil
- Blue christmas lights
- Led light
- Plant light
- Water
- Plastic bag
- Plastic rubber bands
- 3 boxes
- Electricity
- Paper and pencil
- Ruler
- Fan
- Phone for pictures
- Seeds

Question

Which artificial light stimulates the best plant growth?

Procedures:

Step 1: Put 1 ½ cups of soil in each cup.

Step 2: Push each seed 2 inches below the surface.

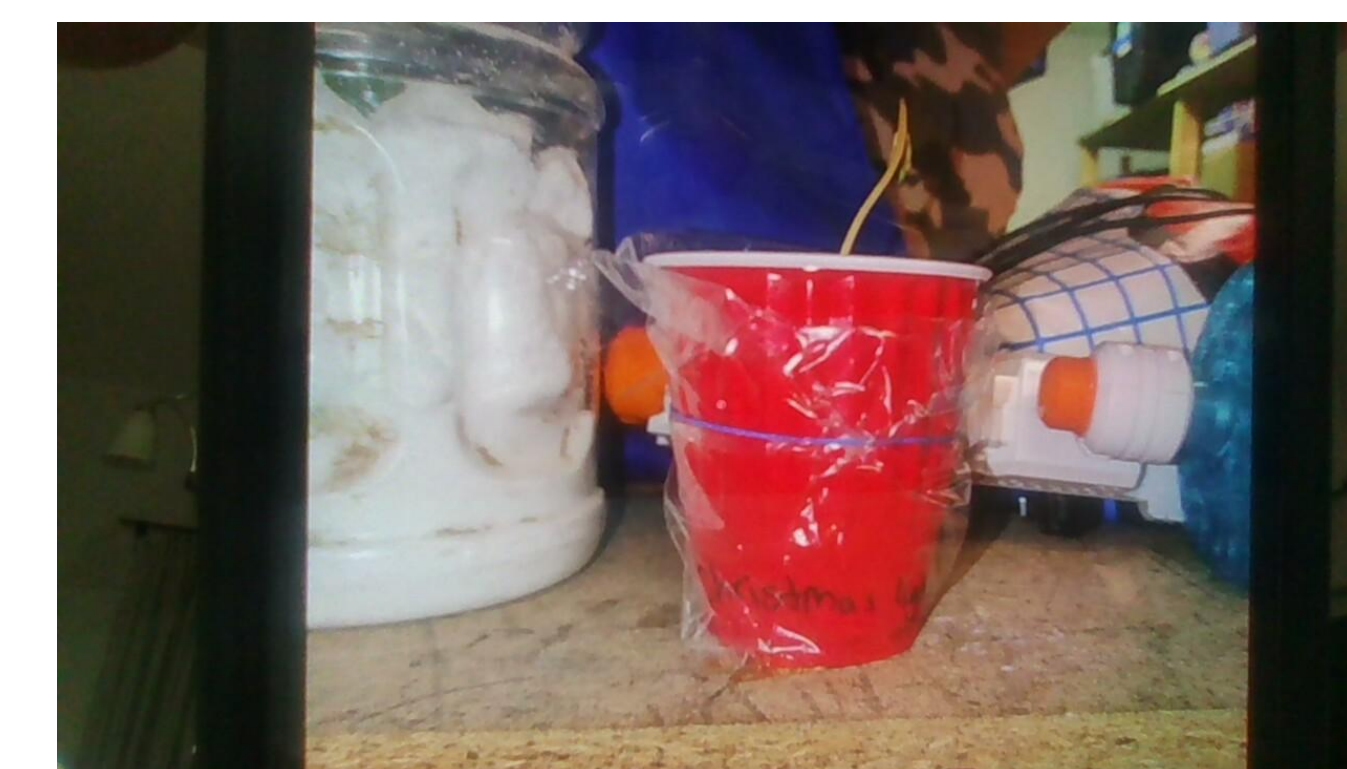
Step 3: Water it every other day the same amount.

Step 4: Put it in the boxes when it starts to sprout.

Step 5: Put it in a dark room/area.

Step 6: Take out to take pictures and to measure each night.

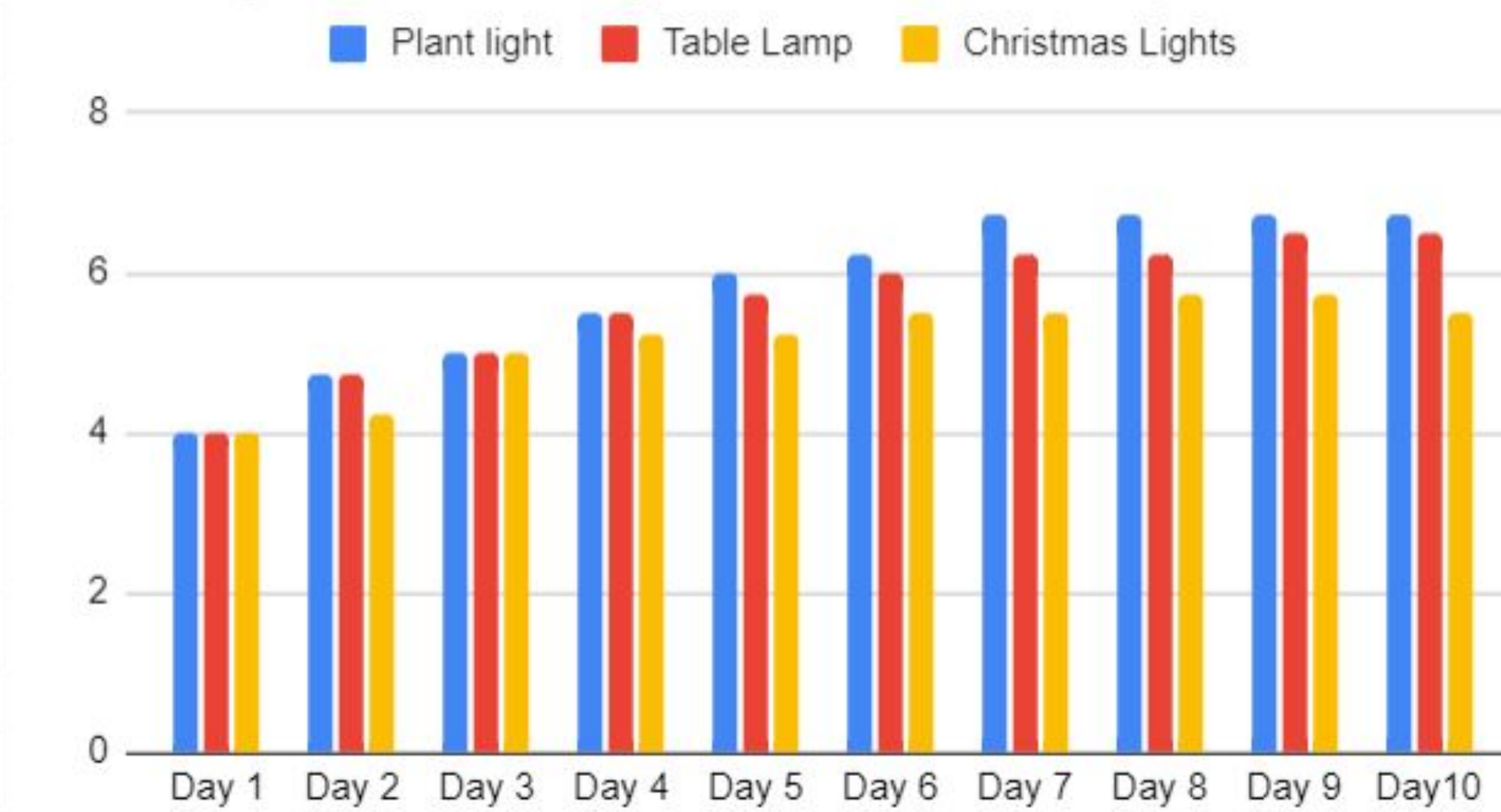
Measure in inches with a ruler.



Analysis of Data

| | Plant light | Table Lamp | Christmas Lights |
|-------|-------------|------------|------------------|
| Day 1 | 4 | 4 | 4 |
| Day 2 | 4.75 | 4.75 | 4.25 |
| Day 3 | 5 | 5 | 5 |
| Day 4 | 5.5 | 5.5 | 5.25 |
| Day 5 | 6 | 5.75 | 5.25 |
| Day 6 | 6.25 | 6 | 5.5 |
| Day 7 | 6.75 | 6.25 | 5.5 |
| Day 8 | 6.75 | 6.25 | 5.75 |
| Day 9 | 6.75 | 6.5 | 5.75 |
| Day10 | 6.75 | 6.5 | 5.5 |

Plant light, Table Lamp and Christmas Lights



Conclusion:

In conclusion my hypothesis was correct because, I said that the plant light would do the best, and be the healthiest. In the end, it was.

What will I do next?

I will use the plant light in our greenhouse, and next time I am growing a plant, I will know which light to use.