

Different Liquids Effect on Plant Growth

M7-17 LIFE SCIENCE

Question

Do different liquids affect plant growth?

Abstract

The purpose of my experiment is to see which liquid is best to use for growing plants. I planted 20 plants and for every 5 plants I used a different liquid to water the plants with (water, V8, tea, root beer). I watered the plants every other day with the same amount of each liquid. The plants watered with water grew the tallest then plants watered with tea grew second tallest and the rest of the plants didn't grow at all. The best liquid to grow plants with water.

Hypothesis

If I watered different plants different liquids then the plants being watered with tea will grow the best because tea has nutrients that help plants grow.

Procedure

- ▶ First I will plant few seeds in 20 different plant containers
- ▶ Second I'll water 5 plant containers with water, 5 with tea, 5 with milk and 5 with root bear and make sure it is an equal amount of each liquid for every plant container.
- ▶ After that I will water the plant containers every other day with the different liquids
- ▶ Finally I will measure the plants on the last day

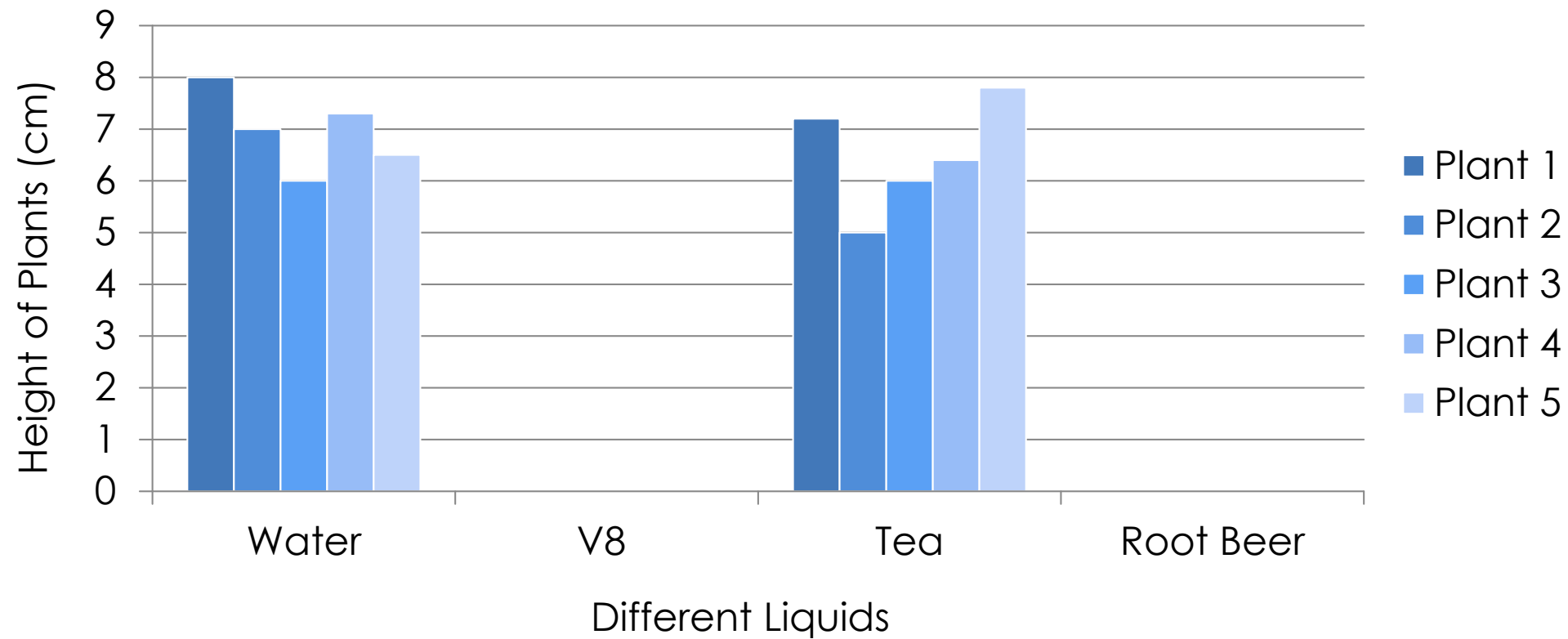
Materials

- ▶ Water
- ▶ Tea
- ▶ Milk
- ▶ Root beer
- ▶ Seeds
- ▶ Soil
- ▶ Plant containers
- ▶ ruler

Results and Data

| | Water | V8 | Tea | Root Beer |
|---------|-------|----|------|-----------|
| Plant 1 | 8 | 0 | 7.2 | 0 |
| Plant 2 | 7 | 0 | 5 | 0 |
| Plant 3 | 6 | 0 | 6 | 0 |
| Plant 4 | 7.3 | 0 | 6.4 | 0 |
| Plant 5 | 6.5 | 0 | 7.8 | 0 |
| Average | 6.96 | 0 | 6.48 | 0 |

Graph



Conclusion

- ▶ My hypothesis was not supported because more plants that were watered by water grew the tallest.

Works Cited

- ▶ <https://prezi.com/2jpm912uiwjt/the-effects-of-tea-on-plant-growth/>
- ▶ <http://www.gardeningknowhow.com/garden-how-to/soil-fertilizers/using-soda-on-plants.htm>
- ▶ <http://www.gardeningknowhow.com/houseplants/hpgen/how-to-water-a-plant.htm>