
How Water Impacts Growth

Grass Lab Report

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Purpose: The purpose of this lab was to test and see how the amount of water (an abiotic factor) would change how much grass will grow.

Hypothesis: If the amount of water is increased, the length of the grass will also increase.

Materials

- Grass seed
- Soil
- Water
- Cardboard Pots
- Ziplock Bag

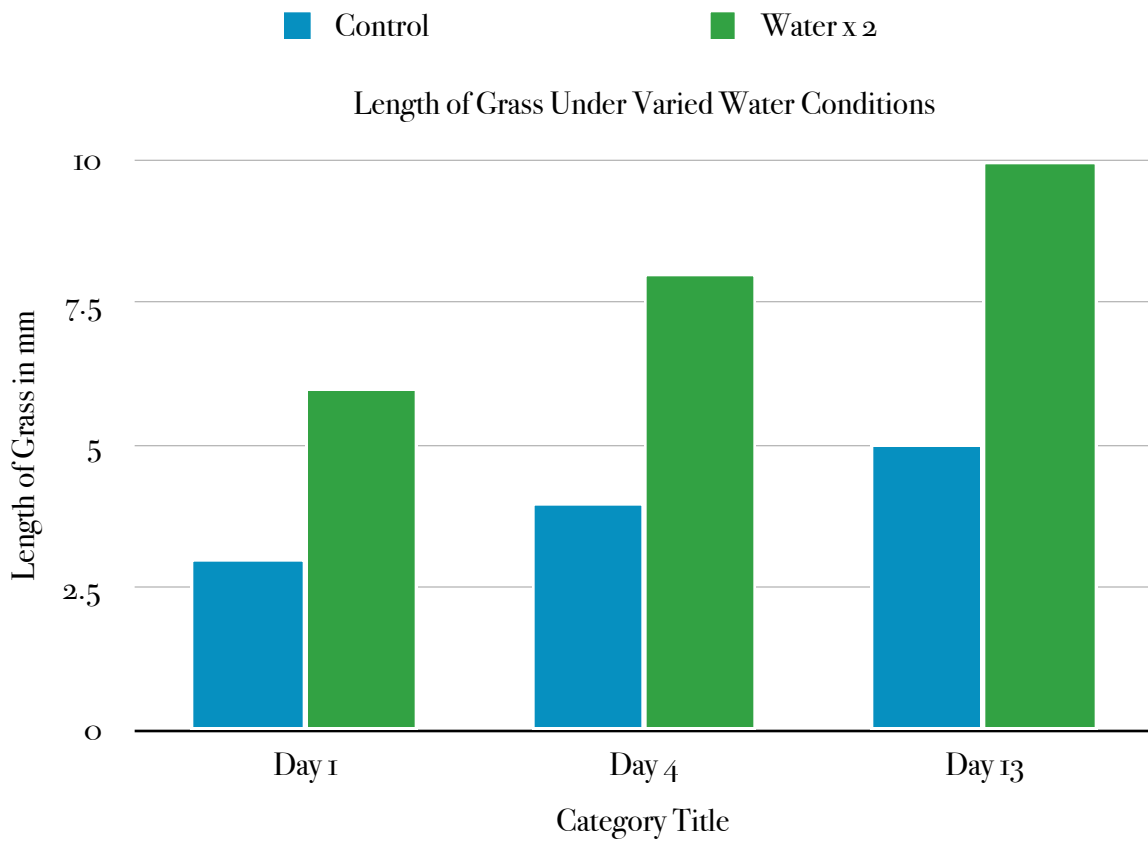
Procedure

- 1) On day one, two cardboard pots were filled with two tablespoons of soil. One was labelled 'control' and the other was labelled 'water x 2.'
- 2) A pinch of grass seed was added to each pot.
- 3) 5 mL of water was added to the control. 10 mL of water was added to water x 2.
- 4) Over a period of 14 days, the length of grass was measured using a ruler and recorded in the chart below.
- 5) After 14 days, the two pots were disposed of.

Results

Length of Grass Under Varied Water Conditions

	Control	Water x 2
Day 1	3 mm	6 mm
Day 4	4 mm	8 mm
Day 13	5 mm	10 mm



Conclusion:

The hypothesis was correct. The observations show that when water was doubled, the growth of the grass increased. In the control pot, grass only grew to a length of 5mm. In the experimental pot, grass grew to a length of 10 mm. This experiment can be improved by taking measurements everyday. This will make data more accurate. Another source of error may be . . . Future experiments may include reducing the amount of water and seeing if that will decrease growth. Another experiment may be . . .