Identifying Liquids in which Seeds Grow Best

Science Fair

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Problem: which liquid do sunflowers grow best with?

Variables  
  
- liquid  
-height  
-greenness  
-health of plant  
-sunflowers growing

Hypothesis

I think fertilized water will grow the best because fertilizer has stuff in it that plants need to grow. This stuff isn’t found in any of the other liquids therefore the plants won’t have it and won’t grow as well.

Materials

* Sunflowers
* Dirt
* Pots
* Water
* Milk
* Vinegar
* Orange juice
* Sugar water
* Fertilized water
* Ruler

Procedure

1. Put dirt in pots
2. Plant sunflowers
3. Water plants with liquids
4. (After 3 days) record height
5. Repeat step 3 and 4 for 5 weeks

Analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| water | milk | Vinegar | Orange juice | Sugar water | Fertilized water |
| 1 cm | 1 cm | 0 cm | 0 cm | 1 cm | 2 cm |
| 2 cm | 2 cm | 1 cm | 1 cm | 2 cm | 3 cm |
| 3 cm | 3 cm | 1 cm | 2 cm | 3 cm | 5 cm |
| 5 cm | 3 cm | 2 cm | 3 cm | 5 cm | 6 cm |
| 6 cm | 4 cm | 3 cm | 4 cm | 6 cm | 7 cm |

Conclusion: Fertilized water grew the best; the plant with fertilizer was the tallest, greenest and thickest. After 5 weeks I conclude that plants with fertilizer grows better than another liquid.