**Procedure**

1. Place each plant in one of the planters. Fill one planter with soil, one with the same amount of sand, and the other with the same amount of clay.
2. Label one plant with the word “Soil - A”, one plant with the word “Sand - A”, and the last one with the word “Clay-A”.
3. Add ½ a cup of water to all plants today, and every 2 days.
4. Place all plants in a sunny window side by side.
5. Measure the height of each plant and record as beginning height. Measure each Friday after that.
6. Repeat 2 more times with plants, B and C.

**Data Charts**

**Trial One – Plants A**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Beginning**  **Height** | **Week 1**  **Height** | **Week 2**  **Height** | **Week 3**  **Height** |
| **Soil** |  |  |  |  |
| **Sand** |  |  |  |  |
| **Clay** |  |  |  |  |

**Materials**

* 2 identical plants
* Soil
* Sand
* Clay
* 3 identical plant pots
* Water
* Sunny location

**Hypothesis**

If I have two identical plants, one planted in soil, one in sand, and one in clay, then I predict \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Question**

How does soil affect plant growth?

**Conclusion**

The evidence collected, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ my hypothesis. I found that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Trial Three – Plants C**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Beginning**  **Height** | **Week 1**  **Height** | **Week 2**  **Height** | **Week 3**  **Height** |
| **Soil** |  |  |  |  |
| **Sand** |  |  |  |  |
| **Clay** |  |  |  |  |

**Trial Two – Plants B**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Beginning**  **Height** | **Week 1**  **Height** | **Week 2**  **Height** | **Week 3**  **Height** |
| **Soil** |  |  |  |  |
| **Sand** |  |  |  |  |
| **Clay** |  |  |  |  |