Marigold Experiment RESEARCH ORGANIZER

**Name:**

**Period:**

|  |  |
| --- | --- |
| **Background Information** | *Research the following information about the plant you will be testing:*Scientific name (Genus-species):  ***Tagetes patula***Physical Description: **Orange-yellow-red bushy flower**Germination time: **5-10 days**Flowering time: **June - Frost**Average height at full growth: **0.5 – 1.0 feet**Other important details about this plant species: |
| **Control****&****Experimental Variable** | *Document all control variables that your plants will experience.*1. **Marigold seeds**
2. **Miracle Grow Potting Soil**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
6. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
8. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Choose ONE experimental variable you will test (From list on page 1) and record it here.*Experimental Variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Experimental Variable Research** | *In a paragraph (5-10 sentences) describe what your experimental variable is and how it helps plants grow.* |
| **Experimental Question****&****Hypothesis** | *Write your experimental question as a statement by finishing the following sentence:*The purpose of this experiment is to find out…*Make a prediction about what will happen to your plants because of the experimental variable introduced. It should be consistent with the research done on your variable. If\_\_\_\_\_ then\_\_\_\_\_\_ because\_\_\_\_\_...* |
| **Materials** | *List the materials you will use in this experiment** *\_\_*
* *\_\_*
* *\_\_*
* *\_\_*
 |
| **Experimental Setup** | *Describe your experimental setup and include the following:*1. *How often will you water your plants and how much?*
2. *Identify the two kinds of measurements will you make and how you will measure this.*
* **Plant Height**
* **Total area of two leaves**
1. *How often will you make measurements?*
2. *Any other important details about your experimental setup.*
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