Name: ­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lab Sheet**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Evaporation Experiment** | **Soil** | **Vegetable Oil** | **Fertilizer** | **Salt** |
| Day 1 | Do you think this substance will evaporate with water? | yes no | yes no | yes no | yes no |
| Day 1 | Initial mass of substance + large beaker |  |  |  |  |
| Day 2 | Final mass of substance + large beaker |  |  |  |  |
| Day 2 | Visual observations |  |  |  |  |
| Day 2 | Does substance move with water into the atmosphere? |  |  |  |  |
|  |  |  |  |  |  |
|  | **Celery Stalk** | **Soil** | **Vegetable Oil** | **Fertilizer** | **Salt** |
| Day 1 | How do you think this substance may affect celery? | harm help nothing | harm help nothing | harm help nothing | harm help nothing |
| Day 2 | Observation |  |  |  |  |
| Day 2 | Could this substance affect other plants? | harm help nothing | harm help nothing | harm help nothing | harm help nothing |
|  |  |  |  |  |  |
|  | **Laser beam experiment** | Soil | Vegetable Oil | Fertilizer | Salt |
| Before | Will you see the laser beam through this mixture? | yes no | yes no | yes no | yes no |
| After | Can you see the laser beam reflecting off the substance? | yes no | yes no | yes no | yes no |
| After | Could this substance affect the amount of light available to underwater plants called submerged aquatic vegetation? | yes no | yes no | yes no | yes no |

Name: ­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Lab Sheet Day 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Soil Column Experiment** | **Soil** | **Vegetable Oil** | **Fertilizer** | **Salt** |
| Before | Do you think each substance will move with water into the soil? | yes no | yes no | yes no | yes no |
| Before | Initial conductivity |  |  |  |  |
| After | Final conductivity |  |  |  |  |
| After | Observation |  |  |  |  |
| After | Could this substance move through soil into groundwater? | yes no | yes no | yes no | yes no |
|  |  |  |  |  |  |