**Crystalline Cloth Worksheet**

|  |  |
| --- | --- |
| **Pre-Lab: Untreated Cloth Growth** |  |
| Sketch: | Description: |

**Results:**

|  |  |  |
| --- | --- | --- |
| **Cloth Mass: (g)** | **Crystals and Cloth Mass: (g)** | **Crystal Mass (GC1): (g)** |
|  |  |  |

**Ask:** Identify possible effects the crystals may have when attempting to use the cloth as a water filter.

**Imagine:** Develop at least two possible solutions to maintain the cloth as a filter

**Why?** How will these solutions help inhibit the growth of crystals?

**Teacher Initial:** \_\_\_\_

**Lab: Treated Cloth Growth**

|  |  |
| --- | --- |
| **Chosen substance(s)** | **Amount** |
|  |  |

|  |  |
| --- | --- |
| Sketch: | Description: |

**Results:**

|  |  |  |
| --- | --- | --- |
| **Treated Cloth Mass: (g)** | **Crystals and Treated Cloth Mass: (g)** | **Crystal Mass (GC2): (g)** |
|  |  |  |

**Grown Crystals Reduction **

% GCR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find at least two other groups and compare your percent reduction to theirs. What treatment did they use? Was your treatment more effective, or less?

|  |  |
| --- | --- |
| **1. Names:**  **Treatment:**  **%GCR:** | **2. Names:**  **Treatment:**  **%GCR:** |