

Name:

Date:

Class:

## Crystalline Cloth Worksheet

Pre-Lab: Untreated Cloth Growth	
Sketch:	Description:

### Results:

Cloth Mass: (g)	Crystals and Cloth Mass: (g)	Crystal Mass ( $GC_1$ ): (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: \_\_\_\_\_

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**Lab: Treated Cloth Growth**

Chosen substance(s)	Amount

Sketch:	Description:

**Results:**

Treated Cloth Mass: (g)	Crystals and Treated Cloth Mass: (g)	Crystal Mass (GC <sub>2</sub> ): (g)

**Grown Crystals Reduction**

$$GCR = \frac{(GC_1) - (GC_2)}{(GC_1)} * 100$$

% 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:**

**2. Names:**

**Treatment:**

**Treatment:**

**%GCR:**

**%GCR:**