

Solar Dye Experiment

Name _____ Name

Experiment Start Date: _____

You will get 2 glass jars and some plant material. One jar will contain plain water. This is called your experimental *control*. The other jar will have a *mordant* mixed into the water. *A mordant is something that helps make dye color stick to fiber so it won't wash out or fade over time.* This is called your experimental *variable*. Having a *control* and *variable* will allow you to compare your 2 jars a week from today!

What did you put in your jars?

1. Plant

name: _____

2. Plant parts (root/stem/leaf/flower/seed/fruit?):

3. Fibers: 1 piece cotton (a plant fiber) + 1 piece wool (an animal fiber)

4. Mordant: alum(chemical)+cream of tartar(modifier) OR vinegar(acid)

****Label your jars, make sure your lids are tight, and shake the jars!**

What happened when you shook the jar and mixed everything?

Write down what you notice. These are your *observations*.

