

Germination Experiment Journal

Control Groups

Follow the directions below twice to prepare the two control groups.

1. Fold a single paper towel into fourths.
2. Spray the folded paper towel with water using two full pumps from the spray bottle.
3. Place the paper towel flat into the plastic bag.
4. Place the dormant bean on one side of the paper towel, in the middle, and seal the bag.
5. Attach the bag to a window that receives sunlight daily, with the bean facing the window.

Experimental Groups

For an accurate experiment, only change one variable from each control group. Below are some examples of what your group could change.

- Spray more or less water on the paper towel.
- Use cotton balls or a sponge strip to hold moisture for the bean.
- Place the bean somewhere drastically different in the bag.
- Place the experimental bag somewhere cooler or much warmer, or somewhere darker.

Use the boxes below to plan your two experimental groups. Make sure to describe what will remain the same and what variable you are changing.

Experiment 1

Experiment 2



Learning with Hydroponics - Lesson 2

Getting Things Started with Germination

Name: _____

Date: _____

Germination Experiment Journal

Day 1 Observations

Use the boxes below to record your first observations. Your observations need to be objective, which means you record exactly what you see and not what you think you see or want to see.

Control 1

Control 2

Experiment 1

Experiment 2

Experiment 1 Hypothesis:

Experiment 2 Hypothesis:

Learning with Hydroponics - Lesson 2

Getting Things Started with Germination

Name: _____

Date: _____

Germination Experiment Journal

Day ____ Observations

Use the boxes below to record your observations. Remember that observations need to be objective, which means you record exactly what you see and did, not what you think you see or want to see.

Control 1

Control 2

Experiment 1

Experiment 2

Group 1 Changes:

Group 2 Changes:
