

Name: _____ Class: _____

Plant Growth Activity

Introduction:

Plant growth focuses on the variables that can affect the growth of a plant. These variables include sunlight, air flow, nutrients, water, and the plant itself.

With hydroponic systems, the variables of sunlight and air flow are covered with the use of grow lights and fans. Variables of water and nutrients are things you need to continually monitor. Follow the manufacturer recommendations. Once you have monitored those variables, it is time to chart your plant growth.

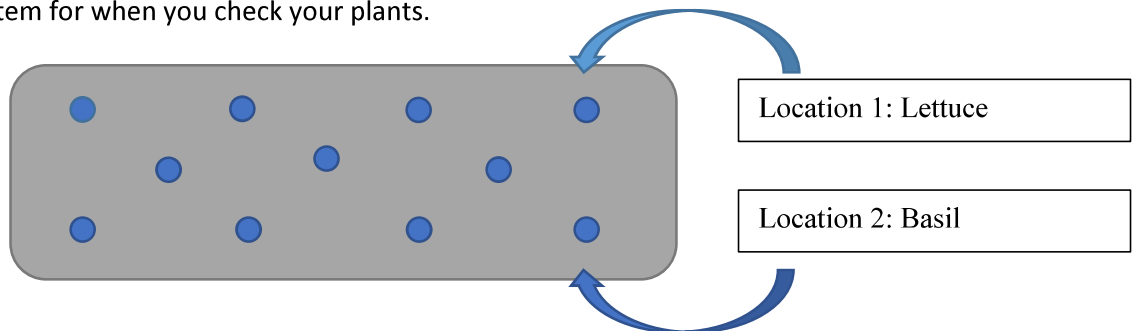
STEP 1: CREATE A PLAN

What are you going to focus on in relation to plant growth? There are many different things to observe and report concerning growth, so you will want to choose just a few. In this case, we will focus on the following.

- Measure plant height and width
- Count number of leaves

You will want to chart the following information and also create a graph that helps you view how the growth has happened. Before you start your measurements, you will want to mark both the type of plant and a measurement system for when you check your plants.

EXAMPLE:



Once you have the plan in place and your plants have sprouted, move your plants from the germination tray and move them into your hydroponic system. Start to chart the outcome of their growth.

STEP 2: PLANT PLACEMENT

Draw circles for each plant spot location, then write in number location and the plant type.

STEP 3: GROWTH CHART

Place your measurements and observations below.

Date	Location	Plant Height	Plant Width	# of leaves	Observations

STEP 4: Create a grow graph with the following requirements:

- Line the graph to chart growth, including plant height, width, and number of leaves
- Use different colors to identify each plant
- Label the axis appropriately
- Create a key showing which colors represent each plant

