

Lesson 3. The Sun and Photosynthesis

Topic: The importance of heat in photosynthesis

Materials:

- ☐ Plant of choice - 2
- ☐ Planter Box
- ☐ Closet or dark space without access to light)
- ☐ Planter with soil
- ☐ Ruler
- ☐ Scale

Procedure:

For this experiment, you will test the importance of the sun in the growth of plants. We have already established that plants are alive and have energy, but where does this energy come from and does the presence of sunlight influence this?

Using the plant of your choice, you will plant one in your outdoor planter box and another in a dark area without access to light. You will determine how long you will monitor the growth of these plants and the data you will collect. You will also be responsible for watering your indoor plant.

Control Elements:

Date/Time Planted: _____

Type of Plant: _____ Moon Phase: _____

Data:

Length of testing period: _____ days

Type of data (including measurements): _____

ex. Weight (oz), Stem Length (inches), Leaf Size (cm)