

# Tomatosphere Experiment: The Way to Get Started!

- Teachers this page will help you get started with the Tomatoshpere project.

**Before You Begin the Tomatosphere Project Please Read the information here [here](#)**

- Start the class by discussing the following important vocabulary words.

**Germination:** Is the process in which the seed first appears above the soil as a plant

**Cotyledons:** Are within the seeds that form the first leaves when the plant germinates

**Observations:** Using your senses to pay close attention to details

**Data Collection:** Is the process of organizing information about something you observe

**Microgravity:** Is when there is only a very small amount of gravity so that all things float

**Solar radiation:** Is the energy that comes from the sun's sunlight and heat

**Hypothesis:** Is an educated guess you make about what you think the results will be

**Variables:** Are the part of an experiment that can be changed

- After discussing the vocabulary words click [here](#) for **Discussion Question Worksheet**
- Now you are ready to do the Tomatoshpere Project and help NASA learn more about growing plants in space. Please click [here](#) for the **Tomatoshpere Investigation Station**
- Helpful information about **Collecting and Recording Data** is found [here](#)

\*\*\*\*\*You can break this into groups and each group can show the data in different ways.

Other Terrific Links to Resources about Plants in Space

<https://nasahunchacademy.com/project/1>

<https://nasaclips.arc.nasa.gov/video/ourworld/our-world-systems-to-grow-plants-in-space>