



NASA Food Technology Commercial Space Center

You Be The Scientist – Investigating Plant Pathogens in Space by Tyrell Carr

Learning Objective #1: Purpose of the Laboratory Exercise

- A. What is the main problem?

- B. Why is this problem a concern?

- C. What is your role in general?

- D. How do you determine the source of the problem?

As a group, define the parts of the scientific method process.

- O: _____
- H / P: _____
- E: _____
- C. D. _____
- C _____
- R _____



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Learning Objective #2: How to determine the cause of the problem

A. Give examples of how to test for bacterial, fungi or viral infection in a plant?

B. What test do you prefer and why?

C. Can you be confident that one test will provide the answer to the problem?

Learning Objective #3: Designing an experiment

A. Why is it important to design a good experiment?

B. Why is time a factor in designing an experiment?