

## Plant Needs Experiment Worksheet

Plants have 5 basic needs including:

- Water
- Light
- Nutrients
- Air
- A place to grow

Use this worksheet to help design an experiment to test the importance of these elements.

1. Choose an element from the 5 listed above to test: \_\_\_\_\_  
This will be your experimental variable. You will treat plants to different amounts of this element to decide if it is important.

2. What are the other 4 elements: \_\_\_\_\_

\_\_\_\_\_

These will be your controlled variables. You must keep all of these constant meaning you must give your plants the same amount of each of these variables in your experiment.

3. How will you test your experimental variable? How will you give your plants different amounts of this variable?

4. How many plants do you need for your experiment?

5. Where will you grow your plants?

6. How will you make sure all the other variables are constant?

7. How much time will you need for your experiment?

