

		
	<p style="text-align: center;"><b>CHANGING FOR CLIMATE CHANGES</b></p>	

## Experiment 8: Acid rains

### 1. INTRODUCTION

This activity helps pupils become even more aware of what happens when pollution enters our air, and reinforces their love of the environment, which we all should share.

### 2. ORIENTATION

We have all heard of acid rain. But do we really know what they are and what the long-term consequences can be?

### 3. PREPARATION

#### 3.1. Materials:

- 3 1-quart jars with lids
- Measuring cup
- 3 small potted green plants
- Vinegar or lemon juice
- 6 labels or strips of masking tape

- Pen or marker
- Google Doc or Google Sheet

### 3.2. Method:

- Before you begin the experiment, use your pen and the labels or masking tape to label each jar and each plant. Label the first plant and jar “a little acid”. Label the next plant and jar “a lot of acid”. Finally label the third jar and plant, “plain water.”
- Mix the water for the plant that will get “a little acid” by measuring 1/4 cup of vinegar or lemon juice and placing it into the jar labeled “a little acid” and fill the rest of the jar with tap water.
- For the plant receiving “a lot of acid”, pour 1 cup of the vinegar or lemon juice into the jar and fill the rest with tap water.
- Fill the third jar, labeled “plain water”, just with tap water.
- Start your observation by writing how plants look the first day.
- Every two days continue to water the three plants using the water from the original jars. Be sure to make note of and discuss which plant looks best in your journal (GDoc or GSheets).
- Continue like this for 10 days.

## 4. RESULTS

### Observations:

With the help of your journal (GDoc or GSheets), summarize how the plants have changed in these 10 days.

4 days later only the watered plant with water is still ok the others have died

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## 5. REFLECTION

Can you make the connection between this experiment and the problem of hunger in the world? .....acidic rain makes plants die earlier so there is less harvest and some countries get famine

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**6. e-book**

Take several pictures during the experiment. You can also film it.