

Acid Rain Experiment

- In this experiment, you will measure the pH of rain water collected in a bucket near your home or school.

Materials

- pH paper and color chart (range pH 2 to 7) or garden soil pH testing kit
- Bucket
- notebook and pencil

Instructions

- Use a bucket as a rain gauge to measure the amount of rainfall over a select period of time.
- Measure the pH of the water using either pH paper or a garden soil pH testing kit and record the result.

Questions and Answers

- **How acidic is the water?**
 - Based on where you live and what you have learned about acid rain, are you surprised by the result? Discuss the findings with your parents or teacher.
- **How does the measured pH compare to the pH levels that affect plants and animals in aquatic habitats?**
- Go to <http://www.epa.gov/acidrain/education/index.html> to learn more about acid rain