

JR-SCIENTISTS

ACID RAIN

This super easy experiment can help kids understand the damaging effect of acid rain.

INSTRUCTIONS:

STEP 1: Add water to the three containers. First one full, second one 1/2 full, and third one 1/4 full.

STEP 2: Add vinegar to the second two, enough in each so that all three containers are equally full.

STEP 3: Add a flower into each container and wait. Observe them for 24 hours. What do you see?

SUPPLIES

3 Flowers
3 Containers
Vinegar
Water

ACID RAIN

Water is necessary for all living things on Earth. Rain provides much of that water for the planet. Pollution in the air causes rain to absorb the chemicals released by the burning of coal, petroleum, and other factories that is released into the air. When the water in the air comes down, it also carries these gases with it. This is known as acid rain.

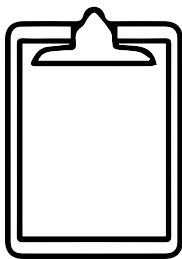
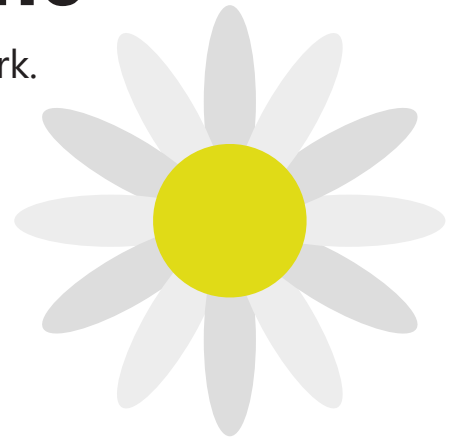
Acid rain has a harmful effect on forests, water habitats, soil, insects and other life-forms. It can even destroy paint, can corrode steel structures such as bridges, and can also effect human health!

Clean energy, such as power from windmills, water, and the sun (solar) all help to reduce the levels of acid rain in the environment.



Acid Rain Observations

Use this worksheet to process and evaluate your work.



RECORD

What do you think will happen to the flowers?

What did you see? Did the end result look like you thought?

What kinds of things cause acid rain?

How can we work toward a cleaner environment?
