Colegio San Miguel Arcángel

Science Department

5th grades 2021

Effects of Acid Rain
Lab report

Name: _____Date: _____

Theoretical framework:

Acid rain is a form of air pollution. When coal and petroleum are burned in automobiles, electric power plants, and factories, they release certain harmful gases into the air. These gases combine with the oxygen and water in the air. When the water in the air comes down as rain, sleet, hail, or snow, it carries with it these gases. This is known as **acid rain.**

Research question

How does Acid Rain affect organisms and inorganic structures?

Supplies

- 1 egg (only the eggshell)
- 2 glass jars with its lid.
- 1 cup of white vinegar or ½ of lemon juice.
- 2 similar plant green leaves.
- 2 paper clips.
- Masking tape and marker (or other labelling method)
- 1 cup of water. (Better if it is distilled water)

Experimental Procedure

1. Label the jars:
   Jar 1: Water
   Jar 2: Acid Rain
2. Fill half Jar 1 with water.
3. Fill half Jar 2 with vinegar, or half and half with lemon juice and water.
4. Place a piece of eggshell, one clip and one leaf inside each jar with liquid.
5. Close both jars.
6. Observe every two days and record your observations in the table given.

Hypothesis

_____
_____
_____
_____

Observation Data:

Observation date	Jar 1: Water	Jar 2: Acid Rain
	Leaf:	Leaf:
	Egg shell:	Egg shell:
	Clip:	Clip:
	Leaf:	Leaf:
	Egg shell:	Egg shell:
	Clip:	Clip:
	Leaf:	Leaf:
	Egg shell:	Egg shell:
	Clip:	Clip:
	Leaf:	Leaf:
	Egg shell:	Egg shell:
	Clip:	Clip:

Results:

_____

_____

_____

_____

_____

Conclusion:

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