Dear friends

As members of the science team we decided to do some experiments because we love chemistry, physics and biology.

The experiment you are about to watch is about the **decomposition of fruit** and the **gases emitted during the decomposition**.

We slice some fruits like lemon, apple, orange and put in to a closed bottle, on a warm place. After 4 days we expect the gasses of the bottle (CO2) to put out a small fire.

Description of the experiment:

**Materials:**

* a plastic bottle 1,5 L
* some fruits or vegetables
* some soil
* a cotton swab
* a straw

**Process**

1. Fill a bottle or a jar (1,5 liter) up to 1/3 of the amount of fruit and vegetables which are cut into small pieces. Add some soil.

2. Fill half of the bottle with water.

3. Screw the lid of the bottle and place it in a warm place.

4. After a few days notice if there are bubbles in the bottle if you press it.

5. Wrap in a straw, cotton swab.

6. Unscrew the bottle and light cotton.

7. Place the straw with the lit cotton above the lid of the bottle. Push with one hand the walls of the bottle to exit the gas inside the bottle.

8. The gas emitted (CO2) puts out the fire.