

Volcano Science experiment:

Apple Volcano Challenge:

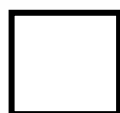
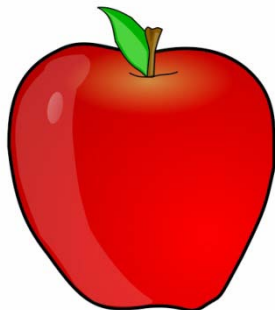
Country/School: _____



Use one **red** and one **green** apple

Make a prediction:

Will one type of apple produce more of a reaction (fizz) than the other? What do you think?



Let's make the experiment

Supplies:

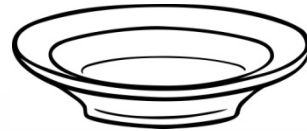
- Baking soda



- Vinegar



- Dish or container to catch the fizz



- Knife to cut center from apple



- Apples



Procedure:

1. Prep your apples by cutting a hole in the top of each apple.
2. Put equal amount of baking soda in each apple.
3. Pour vinegar into each apple and watch it fizz.

The science

What we learned:

When you combine baking soda
and vinegar



a chemical reaction occurs that releases carbon dioxide.

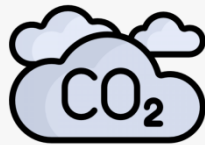
The baking soda is a **base** while

The vinegar is an **acid**.

When they react together they form
carbonic acid,

which breaks apart into **water**

and **carbon dioxide**



and creates **fizzing** as it escapes.

