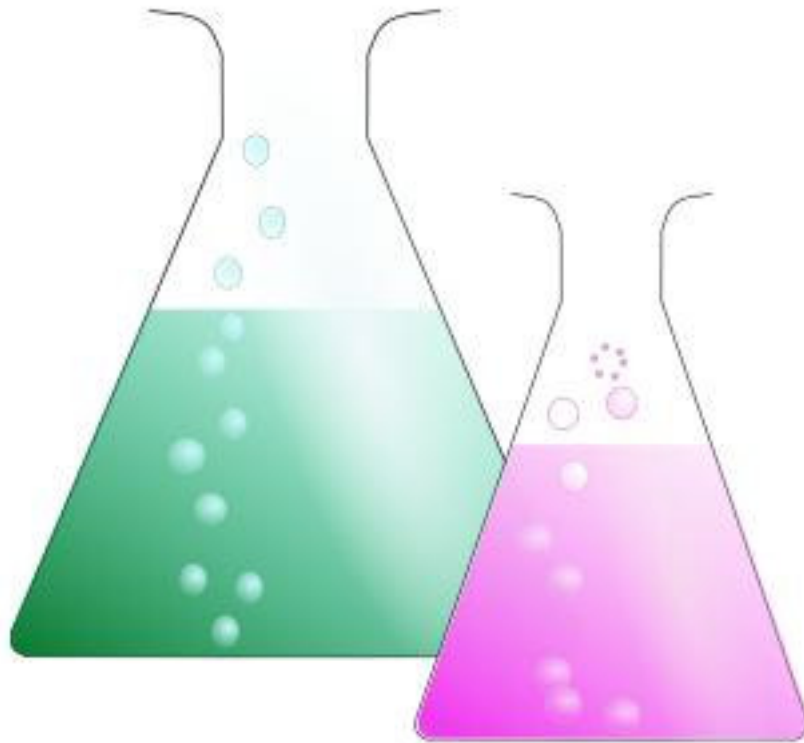


# *St Aiden's Homeschool*



*Footsteps on the Road to Learning*



*Fun Science Experiments : Acid*

*Science Experiments That You Can Do In The Home*

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# Acid Investigations - It is ACID! Isn't it cool?

These are the types of food and drink that contain acid:

## Foods

- Lemons
- Oranges
- Grapes
- Grapefruits
- Tomatoes

## Drinks

- Fruity drinks
- Fizzy drinks.

## Experiment:

- First get a glass of milk.
- Then slice a lemon in half and squeeze one half until the drops of lemon juice come out.
- Have the glass of milk ready underneath.
- Then taste.
- Is there any difference?

## Principle

The milk should taste considerably different because the small quantities of juice from the lemon have large quantities of Citric Acid. Citric Acid is common in many foods because it cheap and potent (meaning that it has a strong taste).

**Acidity** is a measurement of the activity of hydrogen atoms in a molecule. This is measured on something called a "pH" scale, where anything below a 7 is an **acid**; anything above a 7 is a **base**. When the acid and base mix, they create a reaction, which breaks bonds between the molecules of the acids and bases. In some cases, this reaction can produce heat (which is why many cartoons show acids as being able to burn through steel and other materials).

Date:	Time Started:	Time Ended:
Total time that it took for this experiment:		
_____		
_____		
_____		
_____		



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