



Let's Remove the Color of the Liquid! Magic of Science!



Let's do magic! Can you make color of the liquid vanished?

 **Point**

Iodine and vitamin C



Material



A mouthwash (ISODINE)

A vitamin C tablet or candy with vitamin C

Fruit (lemon)

Clear glass

Water

Stick for mixing



Preparation for MAGIC

1 Put the water in a clear glass.



2 Pour the mouthwash in the glass of water so that the color will change.

How to do the MAGIC

1 Prepare the glass you did in the above procedure. Get the tablet or candy with vitamin C.



2 Put the tablet or candy with vitamin C into the glass. Stir slowly.

3

And observe the water in the glass.
The color



Observing



Vanished !!!

✿Progress✿

Pour 100g of water and 2 drops of mouthwash (Isodine) in a glass. Make two or more glasses of these (same size is better). Put a drop of different fruit juice or vegetable juice in each glass. Compare which fruit juice or vegetable juice had made the color disappear more and contains more vitamin C. Also try to look around and examine other fruits and vegetable with vitamin C



In the photo, 5 drops of lemon juice were dropped gradually into 100g of water with mouthwash to observe the change in color.



💡 Information

- ❖ This is oxidation and reduction experiment.
- ❖ ISODINE' s ingredient is Povidone –Iodine.
- ❖ When dissolved in water, iodine color is brown. When vitamin C is added in solution of iodine, the iodine is reduced and makes the solution colorless.
- ❖ You can do this experiment with other fruits, vegetables, and candy with vitamin c.
- ✘When experimenting on other fruits and vegetable, use only a small amount of mouthwash (Isodine) because some fruits and vegetable might only contain a small amount of vitamin C and would not react if you put a lot of mouthwash.