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Record the color of Tincture of Iodine

Prepare 0.2g of starch or flour into a 100 ml beaker and add some of boiling water (Mix till starch is dissolved)

Write down results of the appearance

Dissolve one vitamin C tablet in a 100ml beaker by adding 10ml of water then add water until it reaches 100ml write down the appearance

Record the amount of ascorbic acid on the label

Cut and squeeze 25ml of citrus fruit (do not include the seeds and pulp) in a 100ml beaker

Clean up the station and dispose of the solution by running a slow stream of water in the sink.

Repeat the same steps as the vitamin C and Iodine experiment

Add water until it reaches 25ml in the citrus fruit beaker and add 3ml of starch

add 25ml of tincture of Iodine using a burette. Mix it thoroughly with the solution and record the color.

Add 3ml of starch into the flask and record the color.

Add 50ml of the solution into an erlenmeyer flask and add 25ml of water

②

Chemical Name	Formula
Ascorbic acid	$C_6H_8O_6$
potassium iodide	KI
Iodine	I_2

③ They have similar chemical properties

④
$$S\% = \frac{M_{KI}}{400\text{mL}} \times 100$$
 molarity of KI = 20 M