



Consumables and Equipment

- 4x 50 mL tube
- 1000 mg Vitamin C tablet (you can also use two 500mg of course)
- Iodine (2%) availabe at a drug store
- Hydrogen peroxide (3%) also from a drug store
- Liquid Starch Solution (0.3%, so 3 grams of starch in 1 liter of
 - heated water)
- Warm water
- Pipettes
- Plastic bag
- Safety goggles
- Marker





Put on those safety goggles





Crush the Vitamin C tablet in a plastic bag





- Put the powder in a 50 mL tube
- label it with "Reagent A"





- Add 50 mL of warm water.
- Stir or shake for at least 30 seconds.





- Transfer 5 ml of Reagent A into a new 50 mL tube
- Label as "Reagent B"

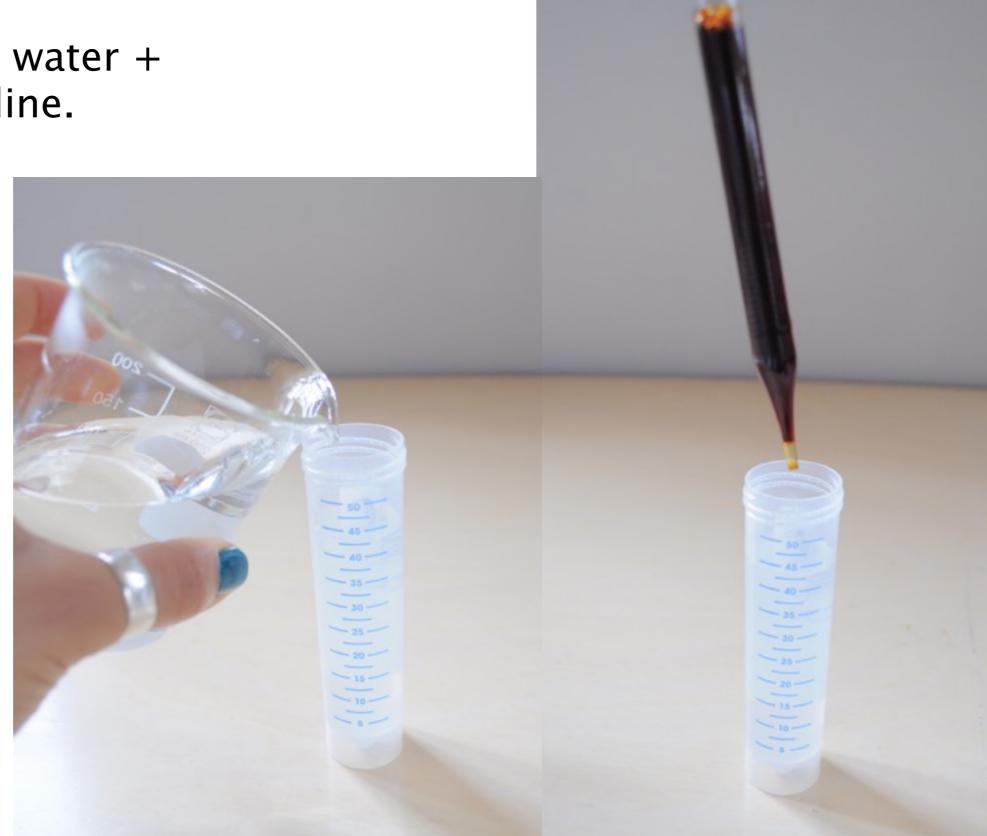




Add:

• 40 mL of warm water +

• 5 mL of the iodine.





In the third 50 mL tube mix:

- 15 mL of warm water,
- 15 mL of the hydrogen peroxide
- 2.5 mL of the liquid starch.

This is "Reagent C"





- Mix 25 mL of Reagent C with 25 mL of Reagent B
- Immediately place in a spectrometer or just watch what happens
- Record the change to the spectrum

