

Puspa Shrestha

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Puspa Shrestha

EXPERIMENT NO. 2

NAME OF EXPERIMENT: TO DETECT THE PRESENCE OF STARCH IN GIVEN SOLUTION.

APPARATUS REQUIRED

1. Test tubes
2. Beakers
3. Droppers
4. Test tube stand

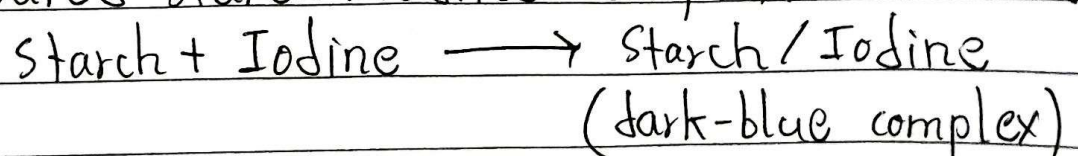
CHEMICALS REQUIRED

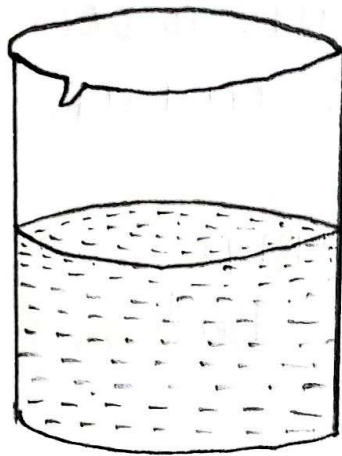
1. Starch solution (1%)
2. Iodine solution
3. Distilled water

THEORY

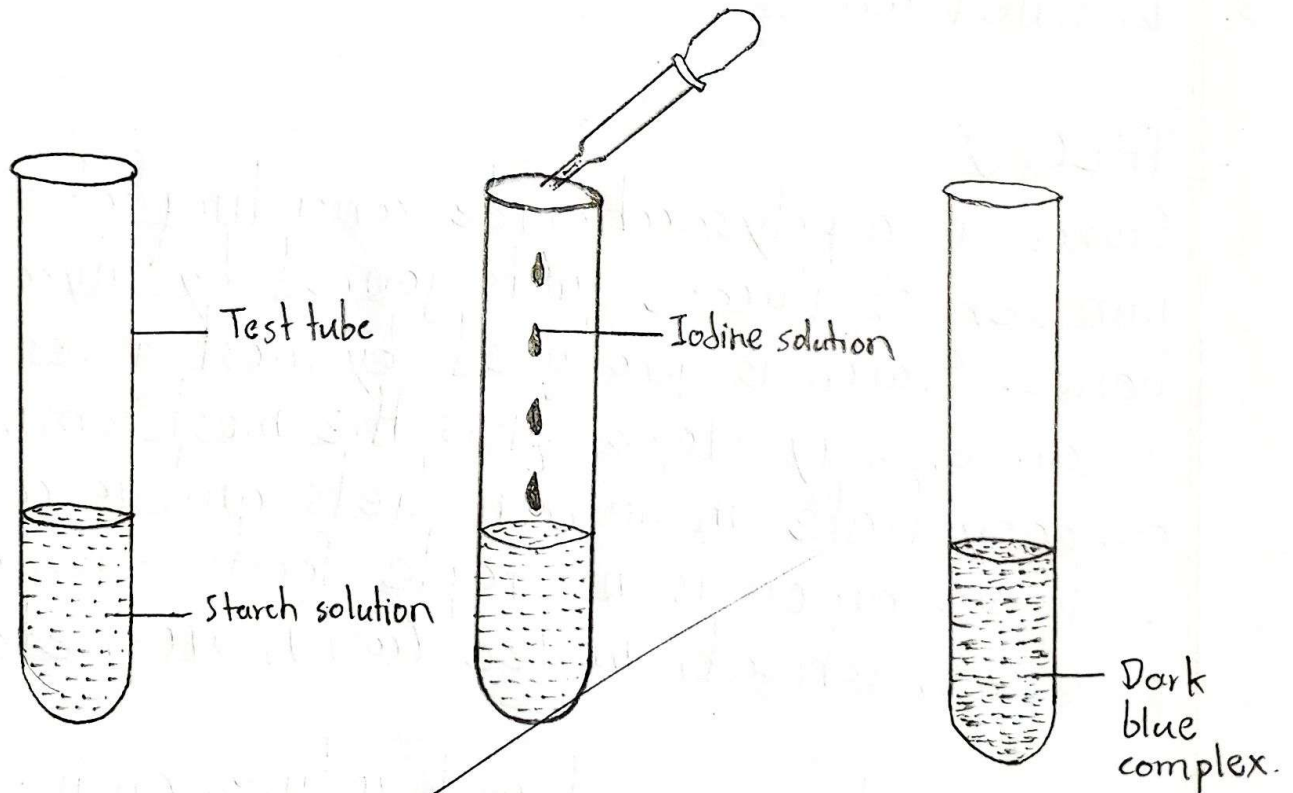
Starch is a polysaccharide consisting of a large number of glucose units joined by glycosidic bonds. Starch is produced by most green plants as an energy store. It is the most common carbohydrate in human diets and is contained in large amounts in staple foods such as potatoes, wheat, maize (corn), rice, etc.

When starch is mixed with iodine, an intensely blue coloured starch / iodine complex is formed.





A Beaker containing 1% starch solution



Experiment to Detect the Presence of starch in a Given Solution

PROCEDURE AND OBSERVATION

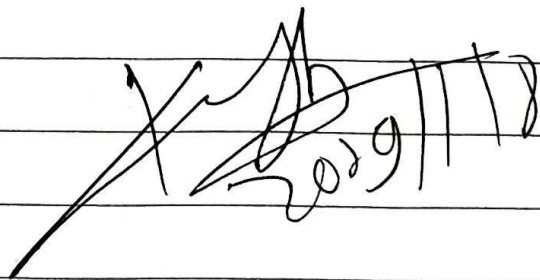
Experiment	Observation	Inference
Taken 3-5ml of the given solution in a test tube and added 3-5 drops of iodine solution.	Dark-blue complex appears.	Presence of starch.

RESULT

The given solution contains starch.

PRECAUTIONS

1. Glassware should be clean.
2. Experiment should be performed carefully.
3. Starch solution should be freshly prepared.

 20/9/18