

Activity to Shows Formation of Starch



Material required: A potted plant, beaker filled with water, burner, iodine solution, alcohol, watch glass and a test tube.

Method:

- A. Take a healthy potted plant.
- B. Keep it under the sun.
- C. After 3-4 hours pluck a leaf and boil it in the water.
- D. Again boil it in alcohol.
- E. Wash the leaf with cold water and place it in a watch glass.
- F. Now pour some drops of iodine solution over the leaf.



Result: The leaf turns blue. Iodine gives blue color when reacts with starch (the food prepared in the photosynthesis). This experiment shows that starch is formed during photosynthesis.