

Component of Food

Test for Starch

Cut a piece of potato and add few drops of iodine to it. Observe the colour change in the potato. The colour of iodine changes to blue-black colour. This confirms the presence of starch in food item

Test for Protein

Take some gram and grind it and add this to a test tube containing some amount of water. Shake well. Now add two drops of copper sulphate to it and then ten drops of caustic soda to it. After shaking it properly let it stand for a while. Observe the colour change in the test tube. The colour changes to violet confirming the presence of protein in gram.

Test for Fats

Take some butter and wrap it with a paper and crush it. Now hold the paper against the light source and see if there are any oily spot or patch on the paper causing a translucent appearance of the paper. The appearance of these spots confirms presence of fats.