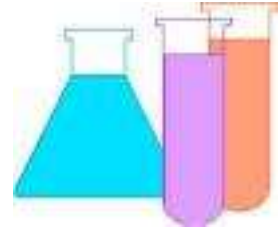


# What happens to starch in our mouth?



## Instructions:

- 1) Pour about 8 ml of the starch solution into the test tube (test tube 1).
- 2) Add a drop of Lugol's Iodine and shake the test tube carefully until the whole liquid has got the same color. Pay close attention to the following aspects:
  - What color is Lugol's iodine before you add it to the starch solution?
  - What color is the starch solution mixed with Lugol's iodine?
- 3) Collect some saliva in a beaker. (Becherglas)
- 4) Now pour the saliva in a 2nd (and empty) test tube (test tube 2). Then add about 4ml liquid from test tube 1.
  - observe and describe what happens!
  - carefully shake test tube 2!
- 5) Try to come up with an explanation for your observations. Try to link that explanation to the digestion in the mouth.
- 6) Once you've finished all the tasks get rid of the liquid and clean the test tubes and the beaker.

Hint: Lugol's iodine contains potassium iodide, which 'detects' starch.

---

Notes: