

ACTIVITY NO. -2-WINDOW TO THE DIGESTIVE SYSTEM

Subject	Science
Class	VII
Chapter/Unit	Nutrition in Animals
Topic	Digestion
Time	30 minutes
Nature of Activity	Individual

What will I learn (Learning Outcome)?

To observe the action of saliva on starch.

Skills:Analyzing and Applying

What I have to do?

To test the action of saliva on starch.

.What do I require?

Two test tubes, beaker, some starch (corn flour), iodine solution, saliva, warm water.

What do I need to know?

- Saliva is secreted in the mouth and it helps in the process of digestion.
- Iodine changes its color to blue- black in the presence of starch.

➤ Teacher's Activity

Teacher will

1. explain that the process of digestion starts in the mouth and saliva is secreted by the salivary glands.
2. arrange the materials for the individual.
3. give instructions regarding the activity.

How will I proceed?

➤ Student's Activity

1. Take a teaspoon of water and a pinch of starch (corn flour) in each of the two test tubes.
2. Label the test tubes A and B.
3. Add a drop of iodine to test tube A and shake well.
4. Add saliva to test tube B and place the test tube in a beaker of warm water for five minutes.
5. Add a drop of iodine solution to test tube B.

What have I observed?

Test solution	Test tube A	Test tube B
Iodine		

What have I learnt?

The saliva is a digestive juice secreted by the _____ glands and it also converts starch into _____. The digestion of _____ starts in our mouth.

What am I curious to learn?

- Let us carry out some more activities with some other different types of carbohydrate containing substrate like potato, bread, rice etc.

Let me evaluate myself

Q1. Mention any two functions of saliva.

Ans. _____

Q2. What is the action of saliva on food?

Ans. _____

Q3. Name the gland associated with the secretion of saliva.

Ans. _____

Q4. How many pairs of salivary glands are there in humans?

Ans. _____

Q5. Name the reagent used to test a carbohydrate containing food and identify the color change on pouring the reagent on it.

Ans. _____

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