

SCIENCE

ACTIVITY-2

NUTRITION IN ANIMALS

Class: VII

Duration-30 minutes

Nature of activity: Individual

Learning Outcome: Students will be able to justify that the process of digestion starts in the mouth and the saliva helps in digestion of starchy food.

What we have to do?

To test the action of saliva on carbohydrates.

What do we require?

Two test tubes, boiled rice.

What do we need to know?

Saliva is secreted in the mouth and it helps in the process of digestion.

Teacher's Activity: Teacher will arrange the materials for the individual and give instructions regarding the activity.

How will I proceed?

Student's Activity:

1. Label one test tube as A.
2. Put some boiled rice in it.
3. Add a few drops of iodine on the boiled rice.
4. Look for a change in colour.
5. Label the other test tube as B.
6. Take some boiled rice and chew it.
7. Put some chewed rice in the test tube B and add a few drops of iodine on it. Again, look for a change in colour.

What have you observed?

Test Solution	Test tube A	Test tube B
Iodine		

- The boiled rice in test tube A contains_____, which turns _____ when it comes in contact with iodine solution.

What have you learned?

What more can we do?

- We can carry out the activity with some different carbohydrate containing substrate like potato.

Extended learning worksheet

Answer the following questions:

1. Identify the process by which the small pieces of food get mixed with saliva by chewing.
_____.
2. Which organ helps in getting the taste of the food we eat?
_____.
3. Identify the process by which the food is taken inside the body.
_____.
4. What is saliva and where is it produced?
_____.
5. If iodine turns a substance to blue-black colour, the substance is
(a) Cellulose (b) Starch
(c) Fats (d) protein