

Activity-36: Studying a fruit

Introductory Tasks:

Before you start the activity try completing the following table:

We humans eat fruits and vegetables and spices. Below is a table of different fruits and vegetables. Write YES/NO in the fruit column corresponding to the vegetable or FRUIT.

You need to reason out which is scientifically a fruit.

WHAT WE EAT	Fruit (TRUE/FALSE)	WHAT WE EAT	Fruit (TRUE/FALSE)	WHAT WE EAT	Fruit (TRUE/FALSE)
Potato		Cabbage		Coconut	
Tomato		Cauliflower		Ground nuts	
Drumstick		Cucumber		Mango	
Carrot		Bottle gourd		Grapes	
Radish		Bitter gourde		Lemon	
Knol khol		Pumpkin		Papaya	
Sweet potato		Sweet potato		Rice grain	
Palak		Ginger		Wheat grain	
Okra		Water melon		Pineapple	
Dhaniya		Cashew nut		Strawberry	

Brinjal		Onion		Nutmegs	
Karapaku		Garlic		Figs	
Capsicum		Beans		Almonds	
Chilli		APPLE		Pista	
Pomegranate		Corn		Coffee beans	

Requirements: collect the following fruits (2 pieces of each kind) and the mentioned items:

Castor, Okra, Datura ruit, Apple, Cucumber, Tomato, Dhondakaya (Ivy Gourd), razor blades, a sharp knife, hand lens, plain paper and pencil.

Procedure:

Make a longitudinal section of the fruit in 2 planes and draw the arrangement of the seeds and their pattern.

Start making transverse sections of the fruit starting from one end and proceeding to the other end. Make sections which are 5 mm or 1 cm apart (if it a larger fruit).

After each section make a drawing of the arrangements of the seeds and the veins present.

Do not forget to mention the colour of the parts and the depth of the section in your paper. Make separate drawings for each section.

Questions:

Is the pomegranate that you eat a single fruit or a bunch of fruits?

Is strawberry that you eat a single fruit or a bunch of fruits?

Is part of apple we eat really a fruit?

Is coconut a fruit?

Is corn a fruit or a bunch of fruits? Is it a fruit?

