

Activity-38: Reproduction without Flowers.

Aim: To understand the process of Vegetative Reproduction in plants

Plants unlike most animals can also reproduce asexually. That means only one parent is involved.



Tasks:

Here is a list of plants (some are fruits and vegetables). Try to find out from which plant part you can grow a new plant. This technique is called Vegetative Propagation and is implemented when commercial needs for the plant is more. Please note that these plants give rise to a new plant without using a Flower. But they can also use flowers, reproduce sexually.

Plants	Plant part needed to grow a new plant
Datura	
Hibiscus	
Onion	
Garlic	
Ginger	
Banana	

Potato	
Money Plant	
Sugarcane	
Bryophyllum (Gunapalla)	
Strawberries	
Turmeric	
Sweet potato	

Questions:

Why do you think that plants have both means of reproducing i.e. sexually using flowers and asexually without using flowers?

Can you think of an advantage that a plant that arise from a flower (seed) over a plant that arose from a different organ?

Can you guess which mode takes more time and which less-vegetative or sexual (using flowers) reproduction?