



SUBJECT: BIOLOGY

CHAPTER: 2

CHAPTER NAME: REPRODUCTION IN PLANTS..

PERIOD-2

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**CHANGING YOUR TOMORROW**

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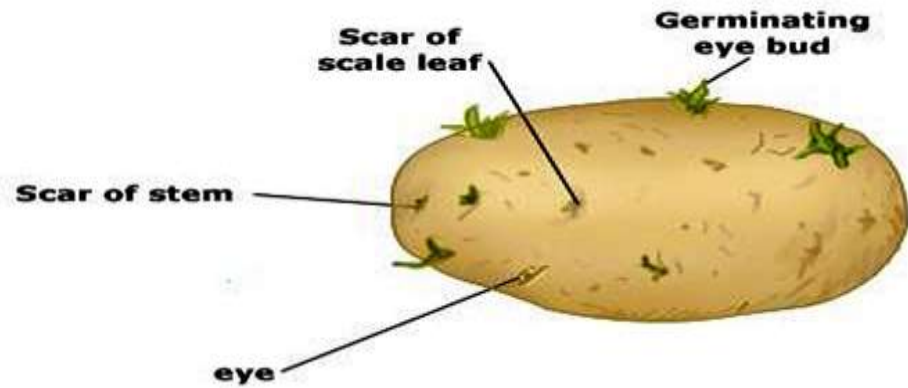
Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

## Vegetative reproduction by roots -

- **Vegetative reproduction by roots** -Carrot and sweet potato are examples of modifications of roots; for food storage. These roots can give rise to new plants; when kept under the soil.

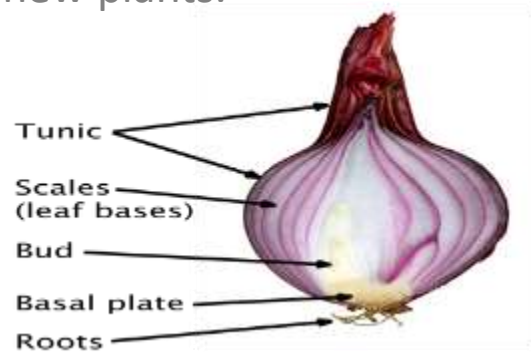


## Vegetative reproduction by stem



### Bulbs of onion:

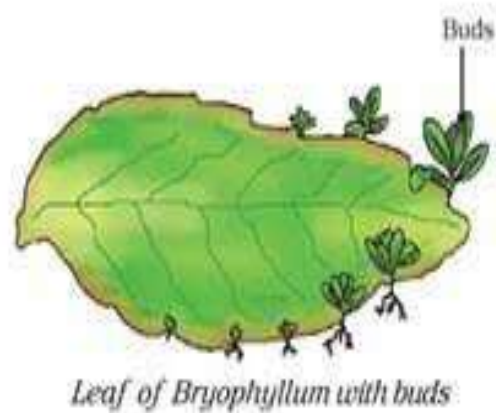
This has a thick short stem in the form of a condensed disc covered by scale leaves. The disc has buds which can grow into new plants.



[https://www.youtube.com/watch?v=VN\\_p20dDrnY&t=125s](https://www.youtube.com/watch?v=VN_p20dDrnY&t=125s)

## Vegetative reproduction by leaves

Bryophyllum bears buds on its leaf margins. When these fall on the ground, they develop into new plants.



## Advantages of vegetative reproduction

- Useful to grow seedless varieties.
- Faster and easier than the natural process.
- The only method of reproduction for plants which do not produce seeds Example: Banana and rose
- Offspring resemble the parent exactly.



## Disadvantages of vegetative reproduction

- Being identical in all respects, these plants may be prone to disease at the same time.
- Dispersal cannot occur naturally so there tends to be overcrowding.





# HOME ASSIGNMENTS.

- Exercise Long Answer Question No-3

THANKING YOU  
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