

4. Take a fresh potato. Observe the scars on it with the help of magnifying glass. You may find bud(s) in them. These scars are also called "eyes". Cut the potato into small portions each with an eye & bury them in the soil. Water the pieces regularly for a few days & observe their progress. What do you find?

Like wise you can also grow ginger or turmeric. Bryophyllum (sprout leaf plant) has buds in the margins of leaves. If a leaf of this plant falls on a moist soil, each bud can give rise to a new plant. Roots of some plants can also give rise to new plants. Sweet potato & dahlia are examples.

Plants such as cacti produce new plants when their plants get detached from the main plant body. Each detached part can grow into a new plant. Plants produced by vegetative propagation take less time to grow & bear flowers & fruits earlier than those produced from seeds. The new plants are exact copies of the parent plant, as they are produced from a single parent. Later in this chapter you will learn that plants produced by sexual reproduction have characters of both the parents. Plants produce seeds as a result of sexual reproduction.

5. Do the exercise of Reproduction in plants.

to revise Science Homework

1) Revise all the chapters

2) Draw all the figures.

3) Cut a branch of rose or champa with node.

This piece of branch is termed a cutting.

Bury the cutting in the soil. A node is a part of the stem / branch at which a

leaf arises. Water the cutting every day & observe its growth. Observe & record

the numbers of days taken for roots to

come out and new leaves to arise. Try the

same activity by growing money plant in a jar of water & record your observations.

You must have seen flower buds developing

into flowers. Apart from flower buds, there

are buds in the axil (point of attachment of

the leaf at the node) of leaves which develop

into shoots. These buds are called vegetative

buds. A bud consists of a short stem around

which immature overlapping leaves are present.

Vegetative buds can also give rise to new

plants.