

Biology Worksheet Class X
How Do Organisms Reproduce?

Very Short Answer Type(1 Mark)

1. Name a plant where buds develop on the leaves to produce new plants.
2. A large variety of plants like banana, rose and sugarcane are grown by vegetative means. Give reasons.
3. What do we call the undifferentiated mass of cells formed during tissue culture?
4. Mention a disadvantage of vegetative propagation.
5. Describe fragmentation in Spirogyra with the help of diagram.
6. How does sexual reproduction result in variation /diversity of characters in the offspring?
7. How many male gametes are formed by a pollen grain?
8. What is ovulation?
9. Why are petals scented and coloured?
10. Which organ enables the developing foetus to obtain nourishment from the mother's blood?

Short Answer Type(2 Marks)

1. Name the type of reproduction involved in the following;
(i) a slice of bread has greenish —yellow patches.
(ii) Potato in the store-room starts sprouting.
2. Mention two fungi that reproduce asexually by spore formation. (Rhizopus, yeast)
3. How do organisms reproduce by budding?
4. Give the name of a unicellular and a multicellular organism which reproduce by budding.
5. Name any two curable sexually transmitted diseases.
6. Give two reasons why frequent pregnancies must be controlled.
7. How do barrier methods prevent fertilization?
8. Describe surgical methods of birth control.
9. Reproduction is linked to stability of population of a species. Justify this statement.
10. Why changes are observed in the uterus if fertilization does not take place?
11. Why changes are observed in the uterus subsequent to implantation of young embryo?
12. Give two reasons for the appearance of variation among the offspring formed by sexual reproduction.