

## Biology Worksheet Class X How Do Organisms Reproduce?

### Short Answer Type(3 Marks)

1. Describe the different methods of natural vegetative propagation.
2. How does plasmodium reproduce by multiple fission?
3. Describe budding in yeast?
4. Describe asexual reproduction. How do the following organisms reproduce?  
a) Amoeba                      b) Plasmodium                      c) Hydra
5. What is the significance of vegetative propagation?
6. What is the significance of pollination? describe its types.
7. What changes occur in girls and boys in the age group of 10-14 years?
8. Mention the events taking place when the ovum is fertilized in fallopian tube till it implants the uterus of a human female.
9. Mention the methods used for birth control.
10. Mention the gland and their functions associated with the male reproductive system.
11. Distinguish between a gamete and a zygote. Explain their roles in sexual reproduction.
12. What is placenta? Mention its role during pregnancy.
13. Describe sexually transmitted diseases (STDs) and mention the ways to prevent them.
14. What is the role of Villi on the walls of placenta?
15. What is semen?
16. Why is testes located outside the human body?
17. What is tissue culture and its importance?

### Long Answer Type Questions (5 Marks)

1. Describe the human male reproductive system in detail.
2. Describe the human female reproductive system in detail.
3. Write two point of difference between sexual and asexual mode of reproduction.
4. Describe why variation is observed in the offspring formed by sexual reproduction.
5. Draw a well labelled diagram of a pistil showing pollen tube growth and its entry into the ovule.
6. What do you mean by puberty? what is the pubertal age in human males and females?  
List some changes that occur at the time of puberty in male and female?
7. Mention the function of the following organs:  
1. testes      2. vas deferens      3. urethra      4. Scrotum      5. penis

8. Describe different methods of population control in human beings in detail.

Differentiate

1. Binary fission and multiple fission
2. Binary fission and budding
3. Binary fission and fragmentation
4. Tubectomy and vasectomy

Diagrammatic Questions

- 1) Budding in Bryophyllum and in Hydra
- 2) Spore formation in Rhizopus.
- 3) Binary fission in Amoeba.
- 4) Fragmentation in Spirogyra.
- 5) Regeneration in Planaria
- 6) Multiple fission in Plasmodium
- 7) Male and female reproductive system.
- 8) Germination of seed
- 9) Longitudinal section of bisexual flower.