

Sexual Reproduction

A. Choose the Correct Answer:

1. Sexual reproduction involves:

- a) Only one parent
- b) No gamete formation
- c) Two parents and fusion of gametes
- d) Budding

2. The male reproductive cell is called:

- a) Egg
- b) Zygote
- c) Sperm
- d) Ovary

3. Fertilization is the process of:

- a) Egg formation
- b) Fusion of sperm and egg
- c) Cell division
- d) Budding in plants

B. Fill in the Blanks:

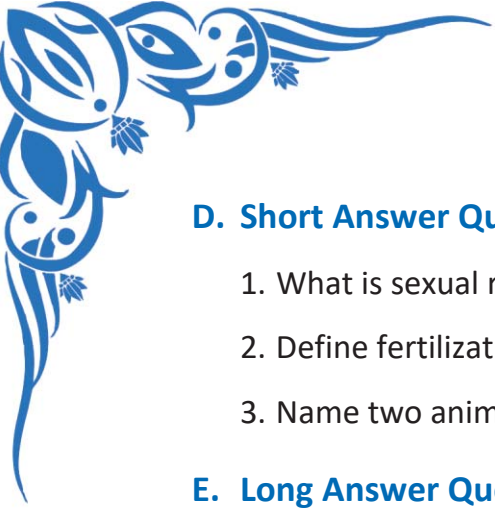
1. In sexual reproduction, the _____ from the male and the _____ from the female fuse to form a zygote.
2. The process of fusion of gametes is called _____.
3. The zygote develops into a _____.

C. Case Study:

Arun read in his science textbook that in humans, reproduction happens through sexual means. The sperm from the father and the egg from the mother join together inside the mother's body to form a zygote. This zygote grows into a baby over several months.

Case Study Questions:

1. What kind of reproduction takes place in humans?
2. What is formed after the sperm and egg fuse?
3. Where does fertilization occur in humans?
4. Why are both male and female parents needed in sexual reproduction?



D. Short Answer Questions:

1. What is sexual reproduction?
2. Define fertilization.
3. Name two animals that reproduce sexually.

E. Long Answer Questions:

1. Explain the process of sexual reproduction in animals with neat labelled diagrams.
2. Compare internal and external fertilization with suitable examples.
3. Why is variation seen in offspring produced by sexual reproduction?