



Class 10 Science | How Do Organisms Reproduce?

MCQ WORKSHEET • 15 questions • Choose one correct option • Suggested time: 25 minutes

1. DNA copying during reproduction is important because it:

- A. Removes all variation
- B. Destroys chromosomes
- C. Transmits hereditary information
- D. Creates only proteins

2. Asexual reproduction usually involves:

- A. Fusion of eggs only
- B. Two parents in every case
- C. One parent without gamete fusion
- D. No DNA copying

3. Plasmodium can form many daughter cells together by:

- A. Vegetative propagation
- B. Multiple fission
- C. Budding
- D. Pollination

4. A piece of Spirogyra filament develops into a new individual by:

- A. Fertilisation
- B. Pollination
- C. Fragmentation
- D. Implantation

5. Planaria can develop whole organisms from suitable body fragments through:

- A. Seed formation
- B. Spore formation
- C. Binary fission only
- D. Regeneration

6. Vegetative propagation is especially useful for preserving:

- A. Only novel sexual combinations
- B. Only recessive mutations
- C. Desirable parental traits
- D. A fixed number of seeds

7. Which flower part receives pollen during pollination?

- A. Sepal
- B. Filament
- C. Stigma
- D. Anther

8. A pollen tube normally carries male gametes toward the:

- A. Ovule
- B. Sepal
- C. Petal
- D. Filament

9. Fertilisation produces a:

- A. Spore coat
- B. Stigma
- C. Zygote
- D. Pollen grain

10. The testes lie in the scrotum mainly because sperm formation needs:

- A. Direct sunlight
- B. A temperature below core body temperature
- C. No blood supply
- D. A temperature above core body temperature

11. The vas deferens primarily carries:

- A. Urine from kidney to bladder
- B. Eggs
- C. Sperm
- D. Menstrual blood

12. The human embryo receives nutrients and oxygen through the:

- A. Oviduct wall alone
- B. Cervix
- C. Placenta
- D. Ovary

13. If fertilisation does not occur, the uterine lining is shed during:

- A. Implantation
- B. Pollination
- C. Ovulation itself
- D. Menstruation

14. A vasectomy prevents pregnancy mainly by blocking:

- A. Egg production
- B. Testosterone production completely
- C. Urine formation
- D. Sperm transport

15. Which method is a physical barrier preventing sperm from reaching the egg?

- A. Oral emergency contraceptive
- B. Periodic hormone injection
- C. Condom
- D. Oral contraceptive pill

ANSWER KEY — check after completing all 15 questions

1.C 2.C 3.B 4.C 5.D 6.C 7.C 8.A 9.C 10.B 11.C 12.C 13.D 14.D 15.C