



BIOLOGY

NCERT - NCERT BIOLOGY(TELUGU)

REPRODUCTION

Exercises

1. Why is reproduction essential for organisms?



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2. Which is a better mode of reproduction: sexual or asexual? Why?



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3. Why is the offspring formed by asexual reproduction referred to as clone?



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4. Offspring formed due to sexual reproduction have better chances of survival.

Why? Is this statement always true?



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5. How does the progeny formed from asexual reproduction differ from those formed by sexual reproduction?



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6. Distinguish between asexual and sexual reproduction. Why is vegetative reproduction also considered as a type of asexual reproduction?



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7. What is vegetative propagation? Give two suitable examples.



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8. Define

- (a) Juvenile phase,
- (b) Reproductive phase,
- (c) Senescent phase.



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9. Higher organisms have resorted to sexual reproduction in spite of its complexity. Why?



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10. Explain why meiosis and gametogenesis are always interlinked?



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11. Identify each part in a flowering plant and write whether it is haploid (n) or diploid ($2n$).

(a) Ovary -----

(b) Anther -----

(c) Egg -----

(d) Pollen -----

(e) Male gamete -----

(f) Zygote -----



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12. Define external fertilisation. Mention its disadvantages.



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13. Differentiate between a zoospore and a zygote.



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14. Differentiate between gametogenesis from embryogenesis.



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15. Describe the post-fertilisation changes in a flower.



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16. What is a bisexual flower? Collect five bisexual flowers from your neighbourhood and with the help of your teacher find out their common and scientific names.



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17. Examine a few flowers of any cucurbit plant and try to identify the staminate and pistillate flowers. Do you know any other plant that bears unisexual flowers?



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18. Why are offspring of oviparous animals at a greater risk as compared to offspring of viviparous animals?



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