

# Most Important Questions(Biology)

## Class 10 CBSE Board 2021-22(Term II)

1. Why are crop fields known as artificial ecosystems? [Ask Filo](#)
2. Can the wing of butterfly and the wing of a bat be considered homologous organs? Why or why not? [Ask Filo](#)
3. "Cell division is a type of reproduction in unicellular organisms." Justify. [Ask Filo](#)
4. Why has there been huge hue and cry against the use of CFCs? [Ask Filo](#)
5. Why is ozone layer getting depleted at the higher levels of the atmosphere? [Ask Filo](#)
6. What will happen if we kill all the organisms in one trophic level? [Ask Filo](#)
7. In a monohybrid cross between tall pea plants denoted by TT and short pea plants denoted by tt, Preeti obtained only tall plants denoted by Tt in the F1 generation. However, in F2 generation she obtained both tall and short plants. Using the above information explain the law of dominance. [Ask Filo](#)
8. Explain the importance of fossils in deciding evolutionary relationships. [Ask Filo](#)
9. Will geographical isolation be a major factor in the speciation of an organism that reproduces asexually. Why or why not? [Ask Filo](#)
10. Why are traits acquired during the life-time of an individual not inherited? [Ask Filo](#)
11. A study found that children with light-coloured eyes are likely to have parents with light-coloured eyes. On this basis, can we say anything about whether the light eye colour trait is dominant or recessive? Why or why not? [Ask Filo](#)
12. How does reproduction help in providing stability to populations of species. [Ask Filo](#)
13. Why is vegetative propagation practised for growing some types of plants? [Ask Filo](#)
14. What are the advantages of sexual reproduction over asexual reproduction? [Ask Filo](#)
15. Why does menstruation occur? [Ask Filo](#)
16. What would be the ratio of chromosome number between an egg and its zygote? How is the sperm genetically different from the egg? [Ask Filo](#)
17. Explain why, pollination may occur without fertilisation but fertilisation will not take place without pollination. [Ask Filo](#)
18. Write any one advantage and one disadvantage of self-pollination and cross-pollination. In the context of development of new plants, which of them is better and why? [Ask Filo](#)

19. Why are bacteria and fungi called decomposers? List two advantages of decomposers.
20. "Vegetarian food habits can sustain a larger number of people". Justify the statement in terms of food chain.
21. How are the modes for reproduction different in unicellular and multicellular organism?
22. State the changes that take place in the uterus subsequent to implantation of embryo? How does this embryo get nourishment inside the mother's body?
23. "Damage to the ozone layer is a cause of concern." Justify this statement. Suggest any two steps to limit this damage.
24. How do Mendel's experiments show that traits are inherited independently?
25. (a) Why do we say that homozygous plants produce pure progeny?  
(b) Define heterozygous.  
(c) Explain how the process of speciation takes place.

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