



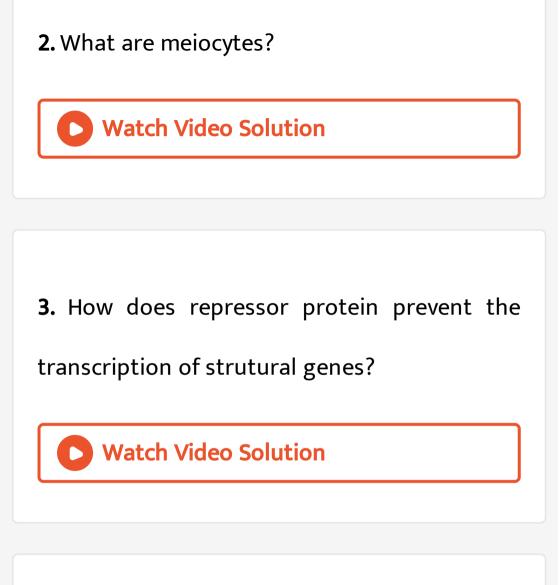
BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

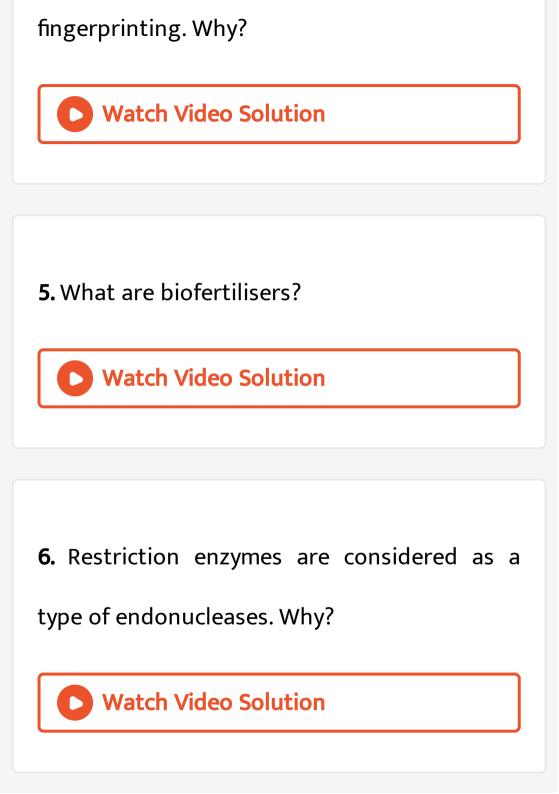
MODEL QUESTION PAPER 2

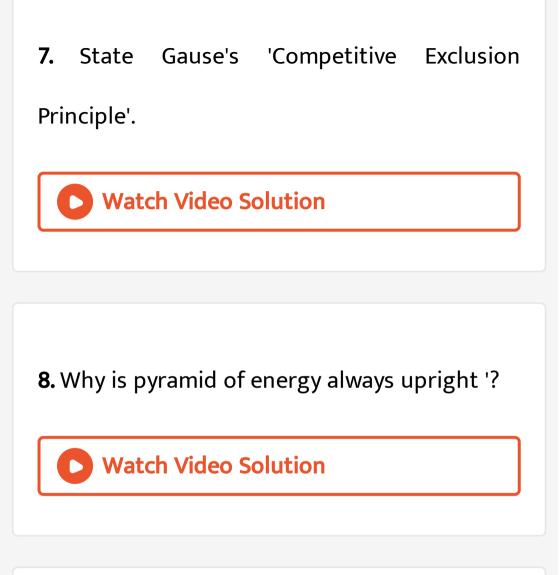


1. Define parthenogenesis.



4. Electrophoresis is an essential procedure that needs to be employed in genectic





9. What are biodiversity hotspot?

10. Ozone layer in the stratosphere becomes thinner due to the release of CFCs. Give a scientific reason for this .

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1. "Unless foetal ejection reflex is produced ,

normal parturition does not occur

".Substantiate the statement .

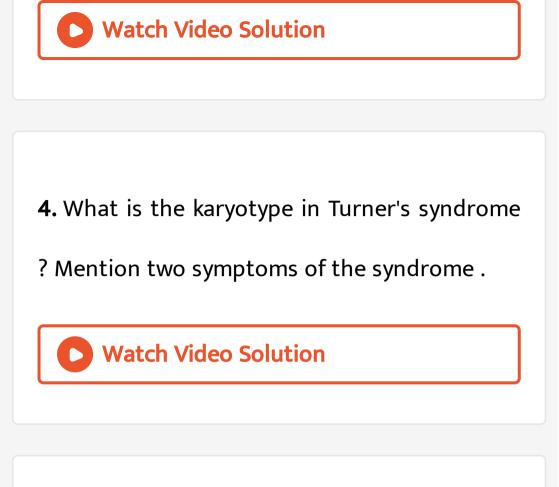


2. What is infertillity ? Mention one Assisted

Reproductive Technology (ART).

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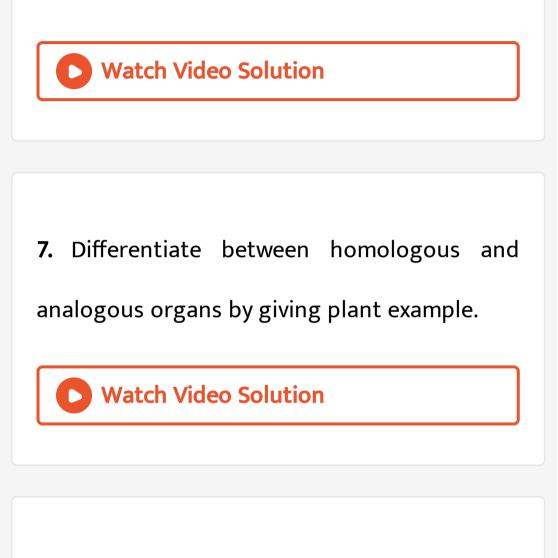
3. What are multiple alleles ? Why the alleles I^A and I^B for blood group are considered codominant ?



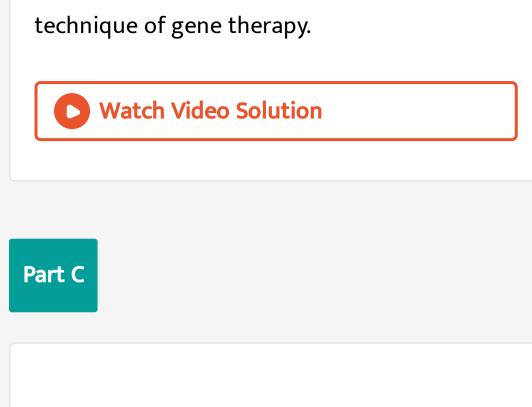
5. Mention the function of RNA polymerase I

and RNA polymerase II in eukaryotes.

6. Explain two salient features of genetic code.



8. Define gene therapy. Name a genetic disorder that is being treated using the



1. Distinguish between asexual and sexual reproduction. Why is vegetative reproduction

also considered as asexual.



2. Name the parts of an angiosperm i.c. flower in which development of male and female gametophyte takes place.



3. How do intrauterine devices prevent conception in humans?

4. State Hardy-Weinberg equilibrium and mention the factors affecting the equilibrium of a population.



5. What are carcinogens? Mention any two groups of carcinogens with an example for each.

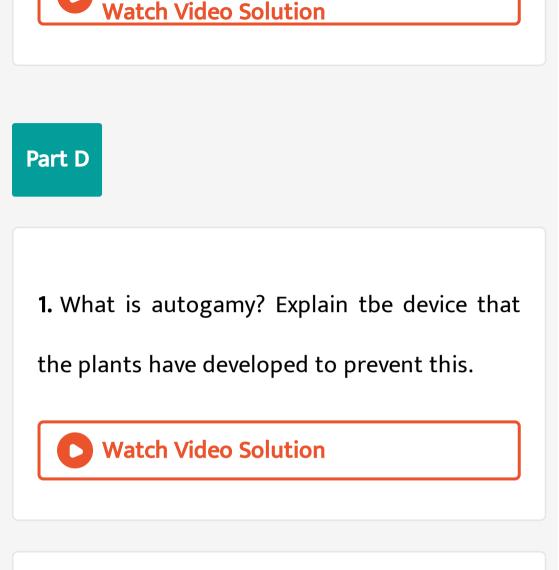


6. Differentiate out- crossing, cross breeding

and interspecific hybridisation.

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7. Write a note on Bt toxin. Write a note on Bt toxin. Watch Video Solution
8. Write the major causes of biodiversity
losses.





2. Esplain the different steps involved in translation.



3. Write the schematic representation of the

life cycle of HIV.

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4. Explain the process of recombinant DNA

technology.

5. Briefly describe the different stages involved

in decomposition.

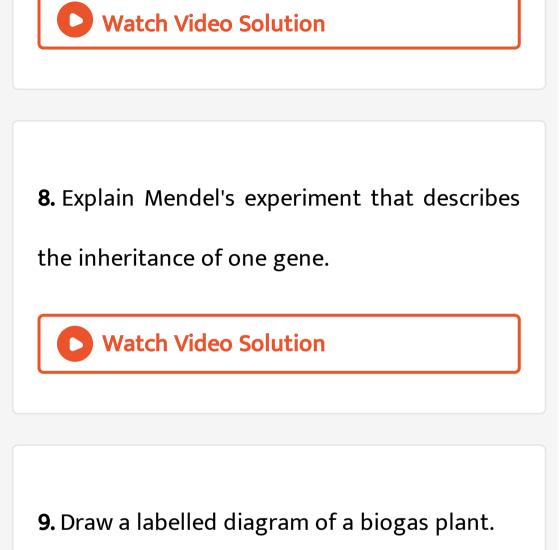


6. Explain five effects of water pollution.

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7. Draw the diagram of the sectional view of

the female reproductive system in humans.





10. (a) Explain the application of tissue culture in any three fields.

(b) Why continued inbreeding should be avoided in plants?

(c) What is germplasm collection?

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11. Explain predation.