



BIOLOGY

BOOKS - NAVBODH BIOLOGY (HINGLISH)

ANSWER IN ONE SENTENCE

Genetic Basis Of Inheritance

1. Who coined the term genetics?

2. A pea plant pure for yellow seed colour is crossed with a pea plant pure for green seed colour. In F_1 generation all pea plants were with yellow seeds. Which law of Mendel is applicable?

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3. Which law of Mendelian genetics can be

considered universal



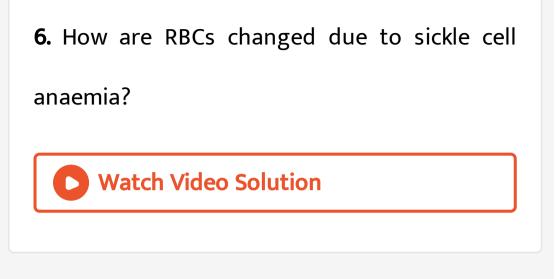


4. The law of dominance is not universally

applicable.



5. Genotypic ratio of dihybrid cross is:



7. Who discovered the inheritance of kernel

colour in wheat?



8. Identify which one of the following is a test

cross.

(i) Tt imes Tt (ii) op imes (iii) Tt imes

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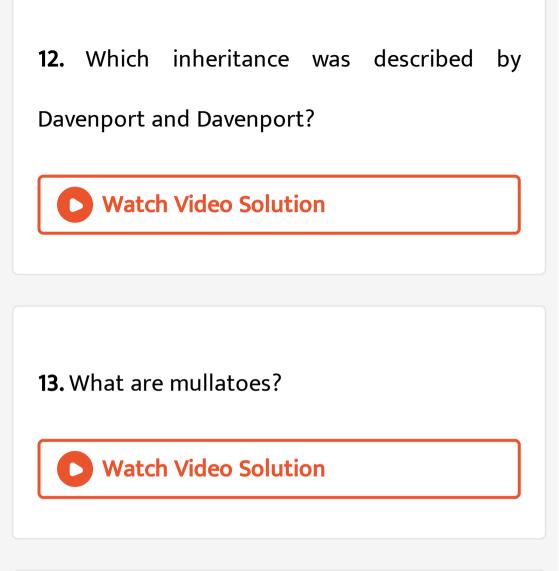
9. What is codominance?



10. What is a cross called between an individual with unknown genotype for a particular trait with a recessive individual of the same trait?

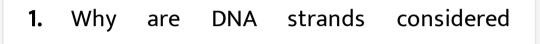
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11. What is a lethal gene?



14. What colouration do roans possess? Why?

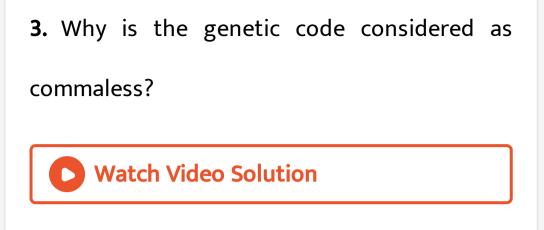
Gene Its Nature Expression And Regulation



antiparallel?

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2. What are the components of a nucleotide ?



4. What is the function of RNA primer during

protein synthesis?

5. What will be the length of eukaryotic DNA

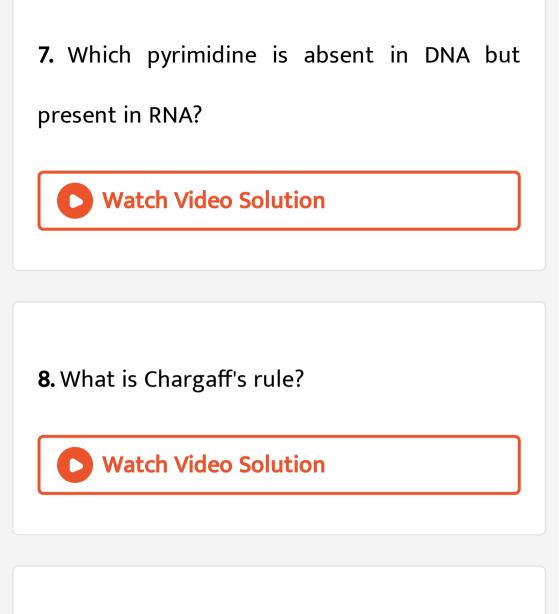
segment having 10 pairs of nucleotides?



6. What is DNA replication in prokaryotes

called? Why?





9. What is NHC?

10. Name the enzyme that digests and destroys DNA.



11. What is the bond between sugar and nitrogen base known as? Where is it present ?



12. Which enzyme is responsible for the activation of nucleotides at the time of DNA replication?



13. What is the function of SSBP?



14. What is the function of enzyme helicase at

the time of DNA replication?

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15. In which direction the polymerization of DNA strands can occur? Which enzyme catalyzes this process?

16. Which enzyme joins the Okazaki fragments?



17. Who proved the semi-conservative nature

of DNA replication? What did they use in this

experiment?



18. Enlist the histones which form an octamer

of nucleosom.

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19. What are the components of nucleosome?

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20. Solenoid fibre

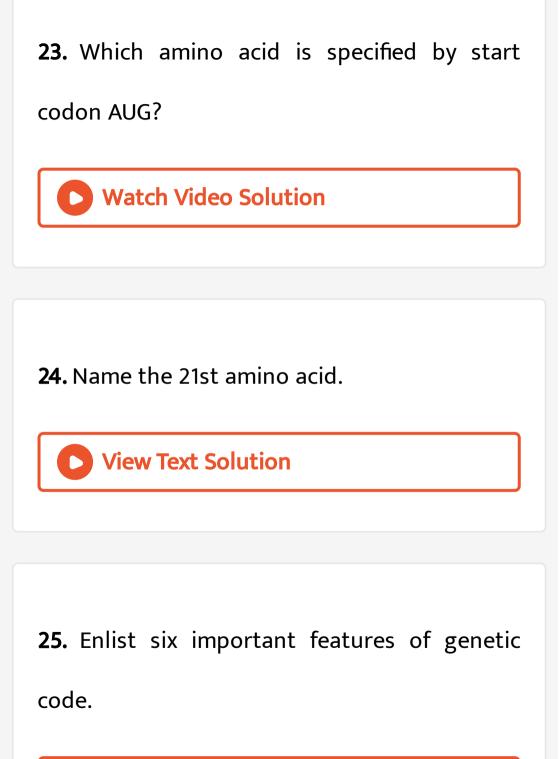
21. At which ends do capping and tailing of

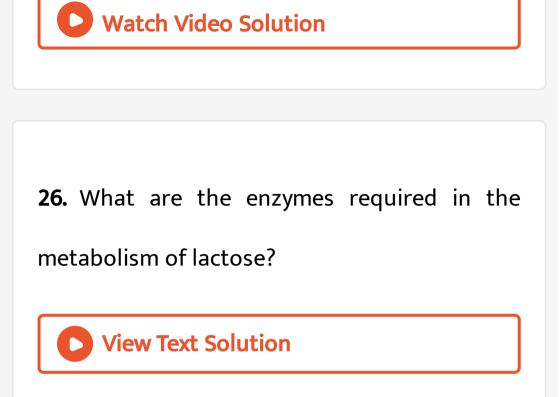
hnRNA occur respectively?



22. Which are stop codons and which are initiation condons?







27. In an operon what is present in between

the promoter and structural genes?

28. Who proposed classical model of Lac operon? What does this model explain?
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29. What will be the length of eukaryotic DNA

segment having 10 pairs of nucleotides?

30. Which molecule in the DNA strand has

three active -OH groups?

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31. Name the double ring compounds and

single ring compounds in the DNA molecule.

32. Which is the process that removes introns

from RNA?

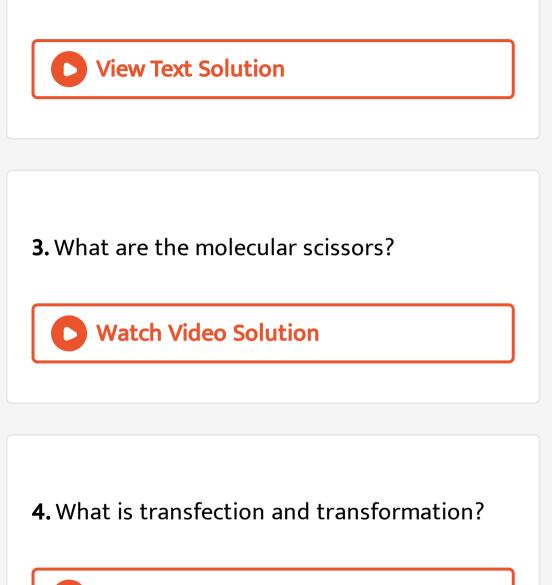
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Biotechnology Process And Application

1. Enlist the wide range of applications that

involve biotechnology.

2. What is genomic library?



5. What is transduction?

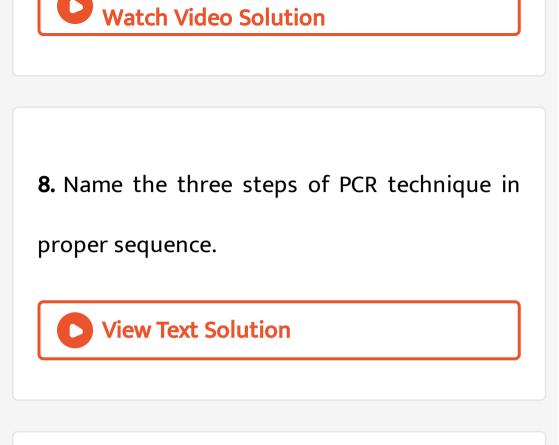
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6. Which vectors are useful in insects, plants and yeast respectively for biotechnological experiments?

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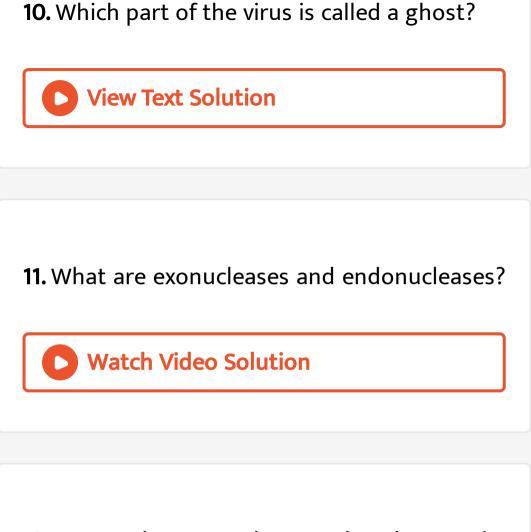
7. What is 'Alu' sequence?





9. Which are commonly used bacteriophages

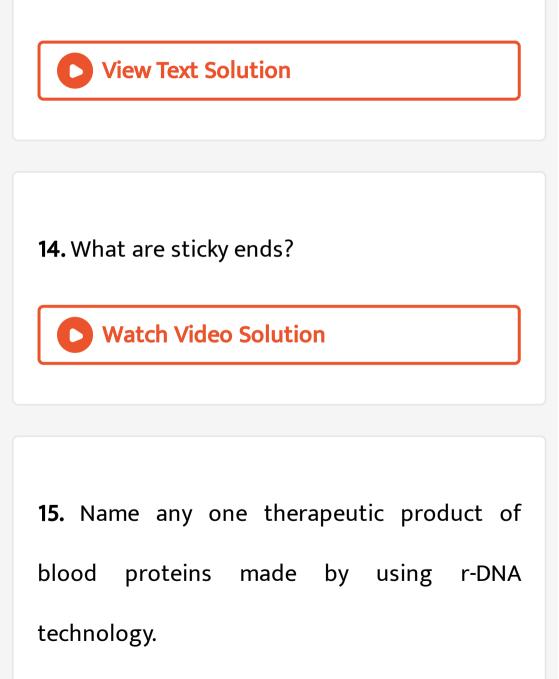
as cloning vectors?

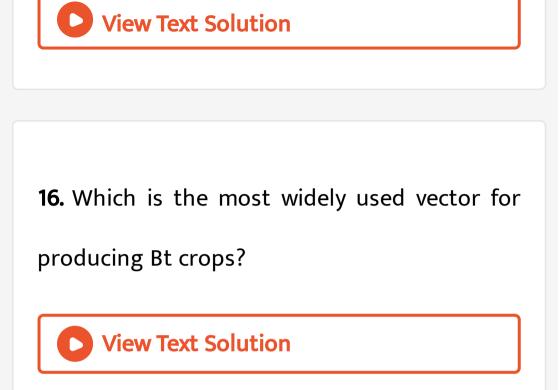


12. Name the gene that produced Bt toxin.

What does it produce?

13. Give the meaning of 'Nif' gene?

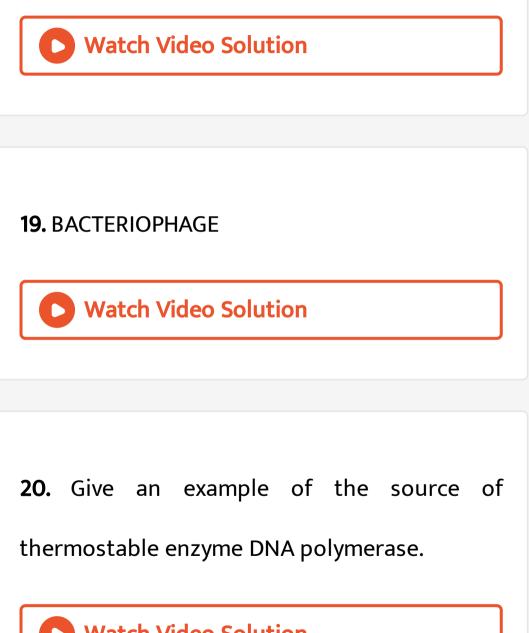




17. What are jumping genes ?



18. Enlist types of DNA library.



21. Name the enzyme responsible for delay in

ripening of tomato fruits.

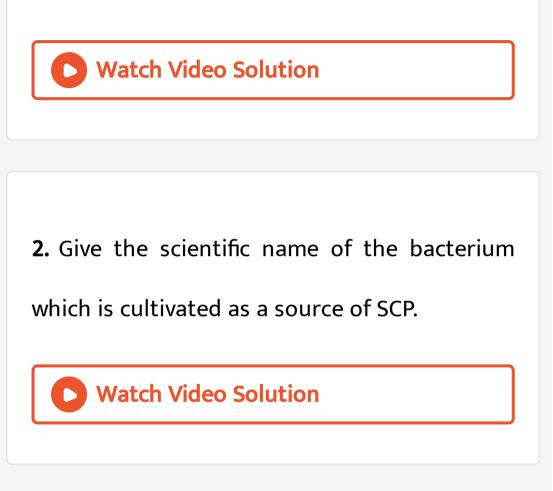


22. Give the role of plasmids in bacterial cell.



Enhancement In Food Production

1. what is protoplast fusion ?



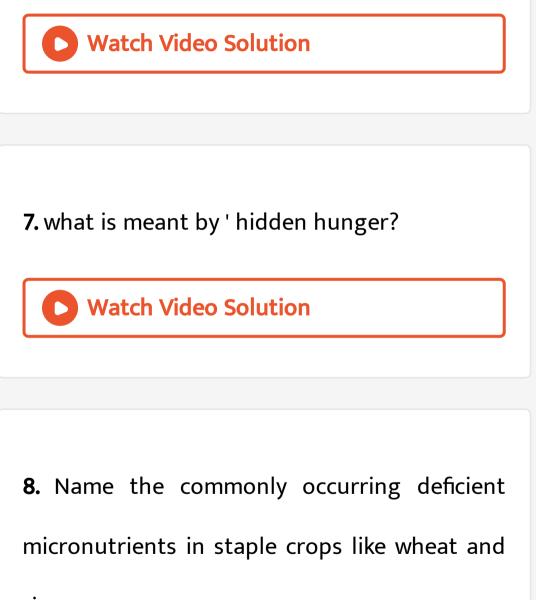
3. Give application of mutation breeding.

4. Explain how biofortification as a strategy is used for dealing with deficiencies of micronutrients in the developing world.

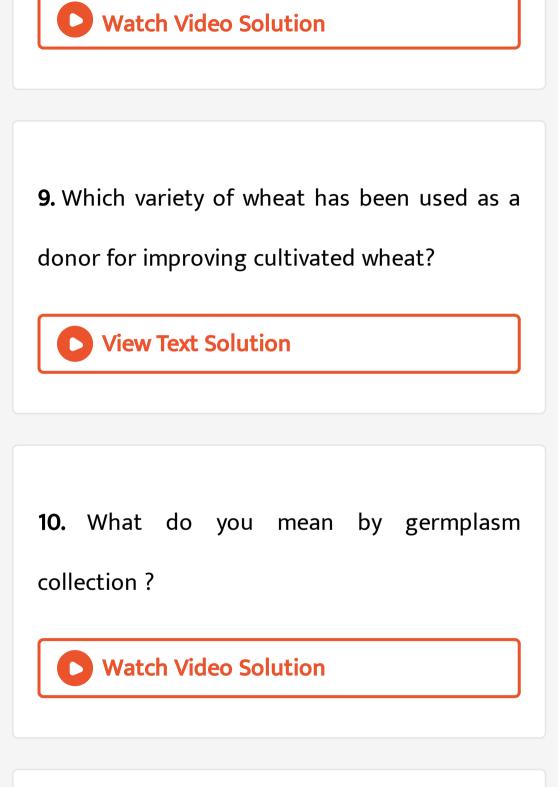
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5. Which variety of sugar cane having high sugar content and better yield is cultivated in south Indian?

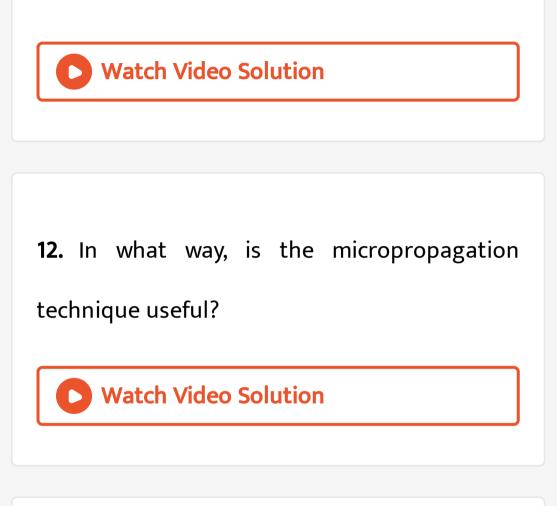
6. Which crop diseases are caused by fungi?



rice.



11. What is agar agar?



13. Why are apical meristems used as explants

in tissue culture technique?



14. Name the high yielding semi-dwarf varieties of wheat selected and introduced in India in 1963.

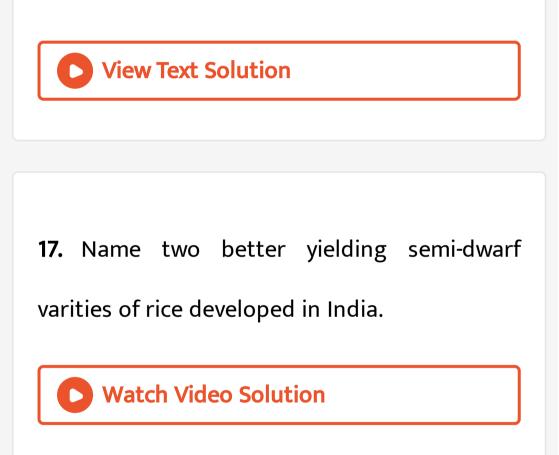
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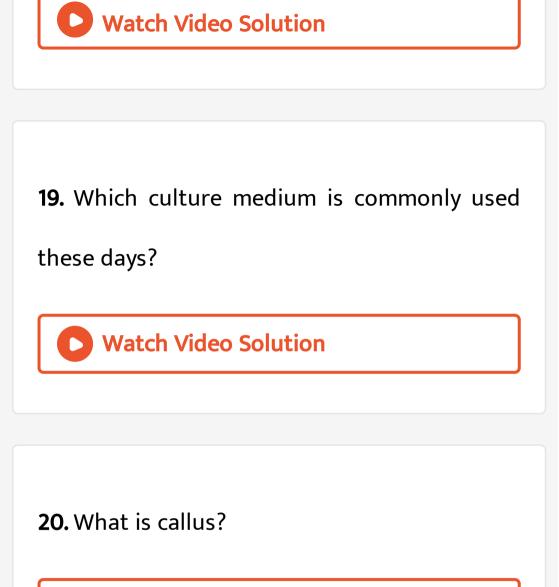
15. The secondary metabolite obtained from

Catharanthus roseus is

16. Name the Nobel Laureate regarded as the

father of Green revolution.





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Microbes In Human Welfare

1. Name the steps involved in beer production.



2. Name the microbe that helps in the production of citric acid and vitamin C.

3. From which microorganism is vinegar obtained? **Watch Video Solution**

4. Name the strain of yeast used in industrial

production of wine.



5. What are heterocysts?



6. Give the importance of heterocyst in

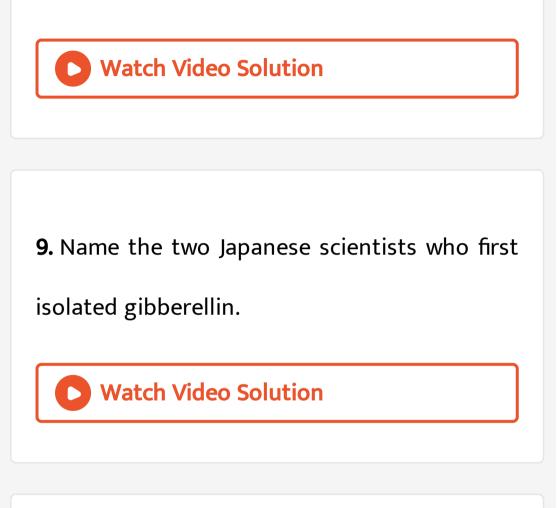
cyanobacteria.

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7. From which microbial source can pectinase

be obtained?

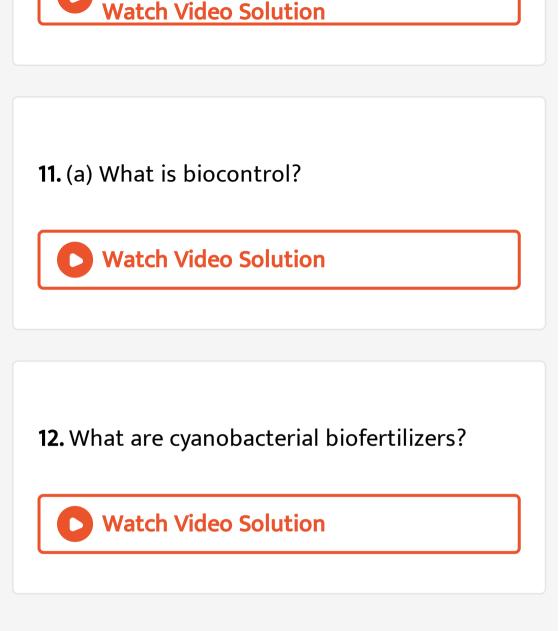
8. Give the microbial source of vitamin B_{12} .



10. What is the microbial source of the enzyme

cellulase?





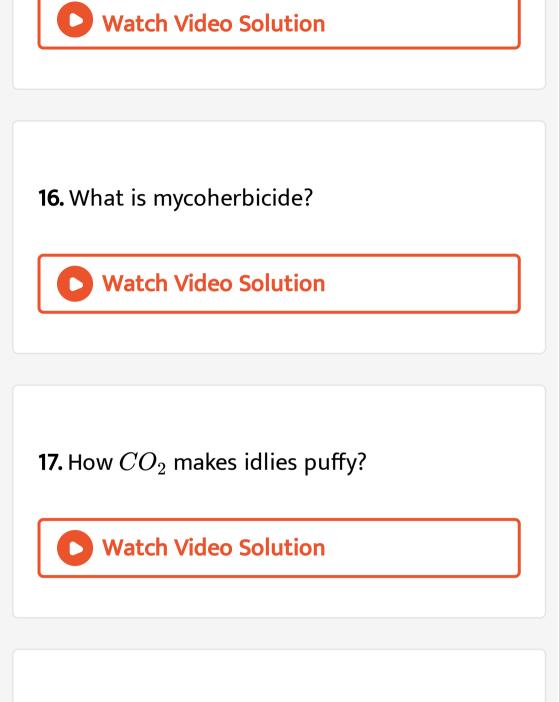
13. What are flocs used in secondary sewage treatment?
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14. Which are the bacteria responsible for

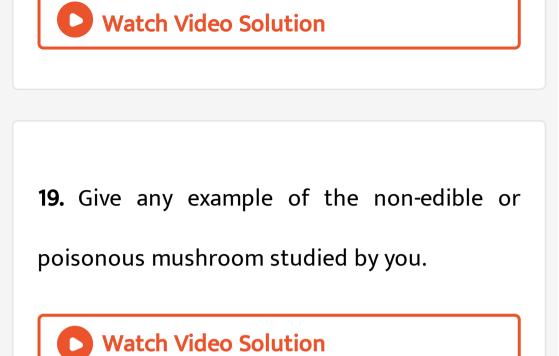
converting organic acids into methane?

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15. Give the role of VAM related to soil fertility.



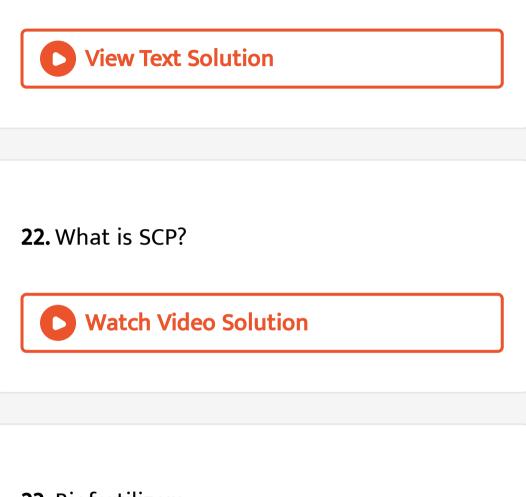
18. Name any two edible mushrooms.



20. Name the aquatic fern commonly used in

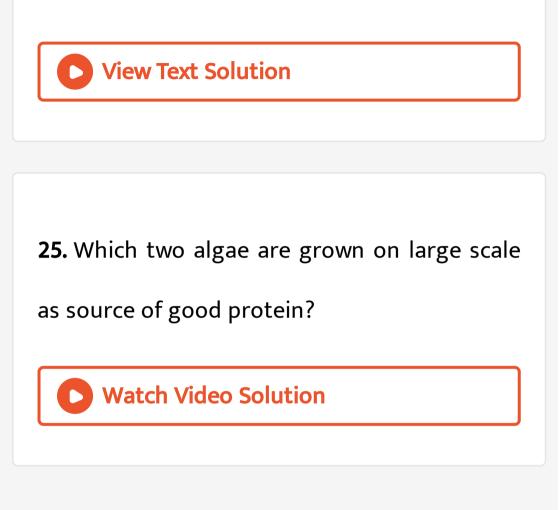
paddy field as a biofertilizer.

21. What is VAM?



23. Biofertilizers.

24. Where do endomycorrhizae grow?



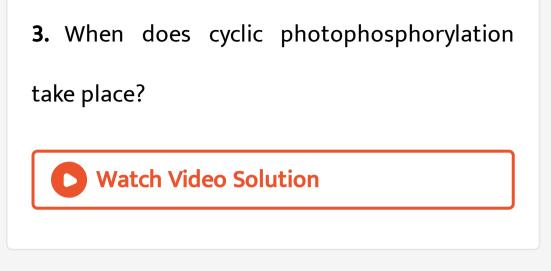
Photosynthesis

1. Which substance acts as hydrogen acceptor in plants when photolysis of water takes place?



2. What are cytochromes?

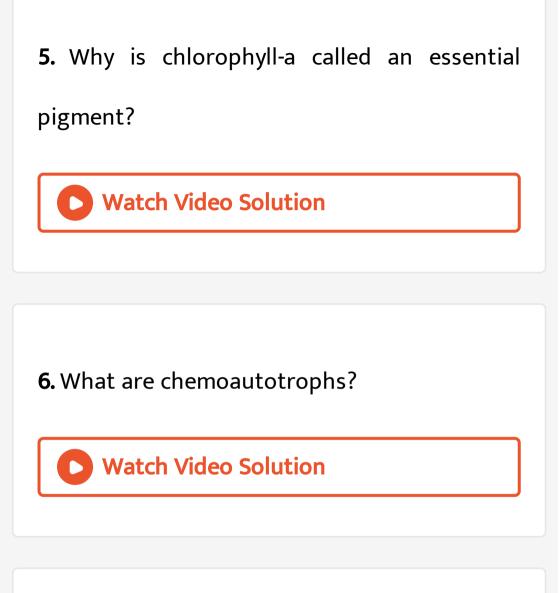




4. How many $NADPH_2$ and ATP are required

for the synthesis of one molecule of glucose?





7. What is plastidome?

8. Name the specific areas in membranes of thylakoids where photosynthetic pigments are located.

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9. Name the reaction centers of PS I and PS II.

10. Which ions are present in PS II? What role

do the play?

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11. What is hill reaction ? How it can be

demonstrated ?

12. What are the two main types of carotenoids ? Name the two photosynthetic pigments belonging to them.



13. What is chemiosmosis? Who proposed the

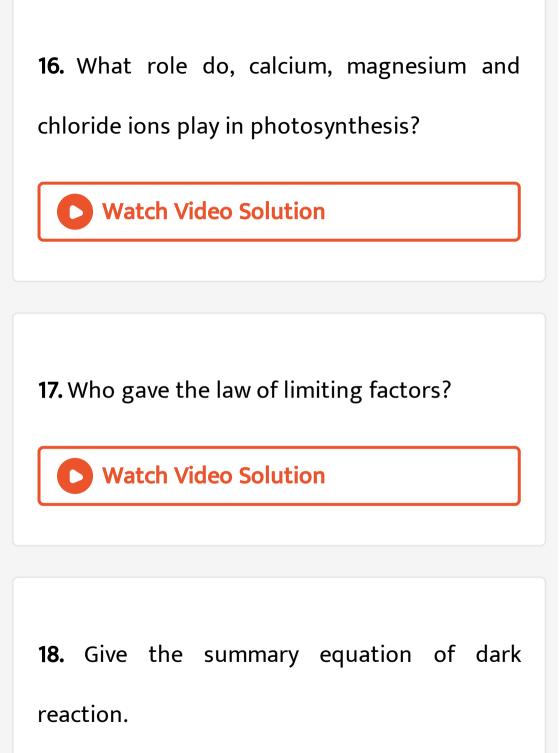
chemiosmotic hypothesis?



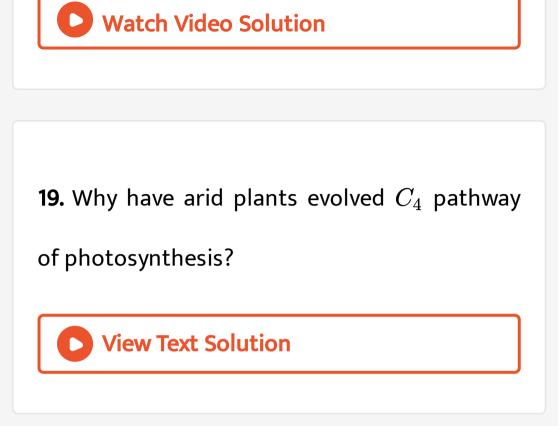
14. Which is the first CO₂ acceptor in C₃
pathway?
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15. In CAM plants, why is acid concentration

increased during night?



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20. Which is the ultimate pathway for fixing

carbon dioxide (CO_2) into glucose?

21. Which two unicellular algae were used by Ruben and Kamen to confirm that the source of oxygen evolved during photosynthesis was water.

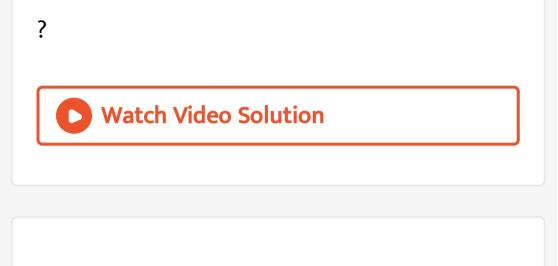


22. What was used to prove that the source of

oxygen evolved during photosynthesis is

water?





24. Give three examples of chemoautotrophs.

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25. What is quantasome?

View Text Solution

26. Give the expanded form of C C and LHC.

View Text Solution

27. Which ions are present in PS II? What role

do the play?

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28. Photolysis of water.



29. In CAM plants, why is acid concentration increased during night?

Watch Video Solution

30. Why is chlorophyll-a called an essential

pigment?

1. Name the process which is common to both

aerobic and anaerobic respiration.

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2. Where does dehydration occur in glycolysis?

3. Name the cell organelle in which Krebs' cycle

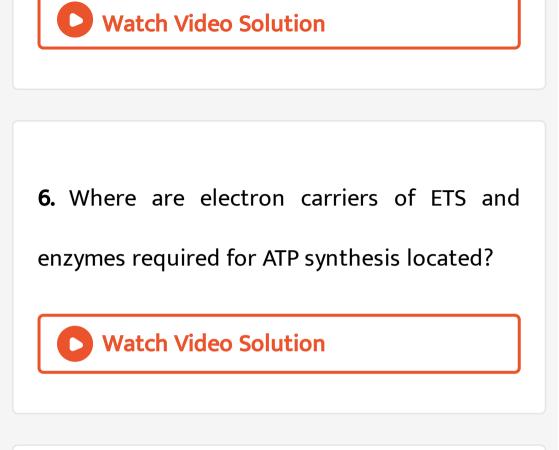
occurs.



4. How much energy is released when one molecule of ATP is hydrolysed to ADP and Pi?



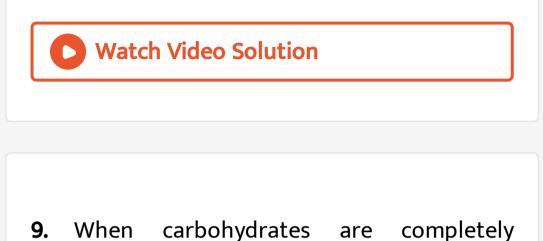
5. What are oxysomes?



7. What is the fater of pyruvate under aerobic

conditions?

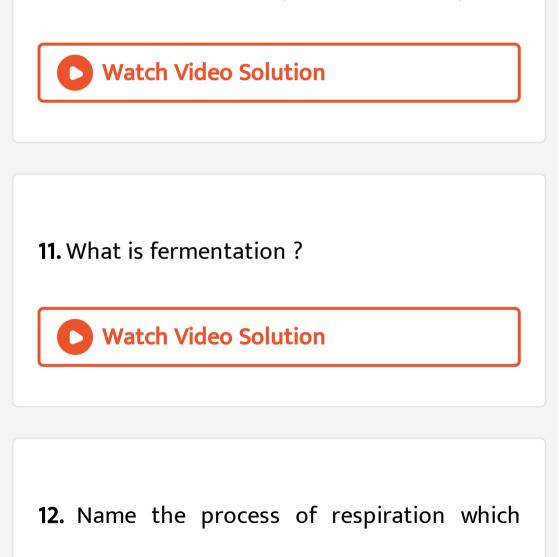
8. Glycolysis is also called EMP pathway.



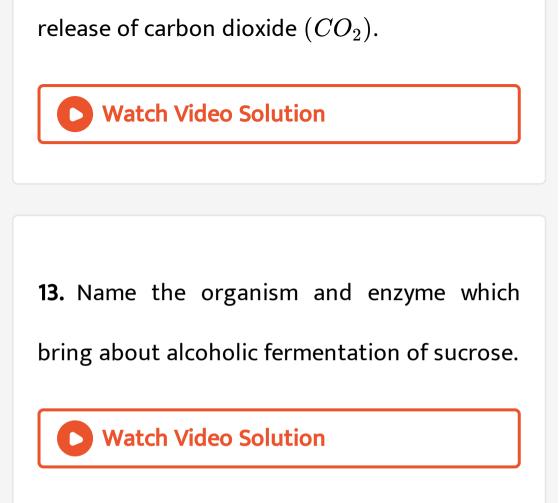
oxidized during respiration, what is the RQ and why

10. Name the reactions when, α -ketogluterate

is converted into succinyl Co-A in Krebs cycle.



does not involve intake of oxygen (O_2) and



14. What are respiratory substrates? Name the

most common respiratory substrate.



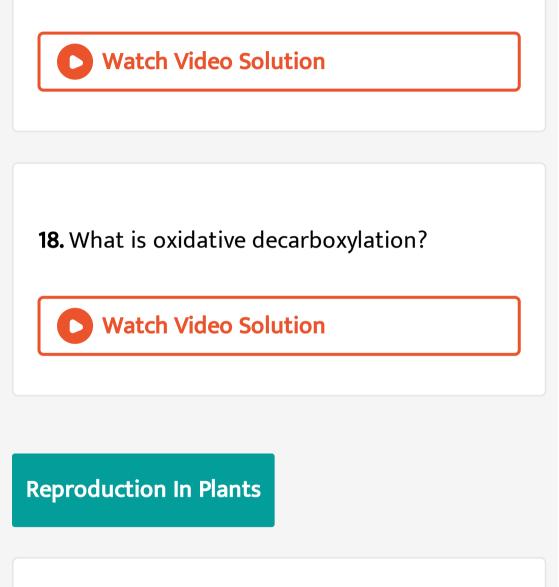
15. Name the products of lactic acid fermentation.

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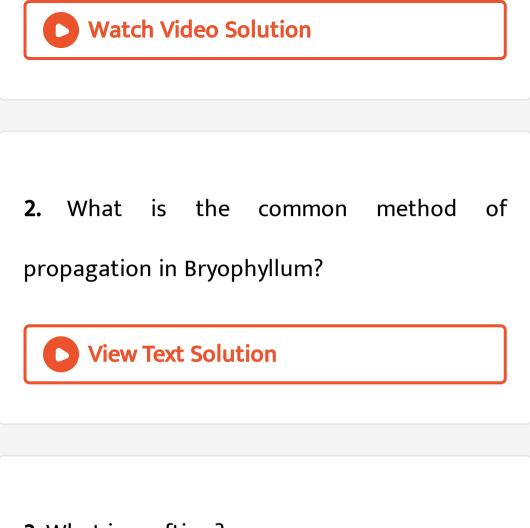
16. Which enzyme converts glucose-6-

phosphate into fructose-6-phosphate?

17. The first stable compound of Krebs cycle is

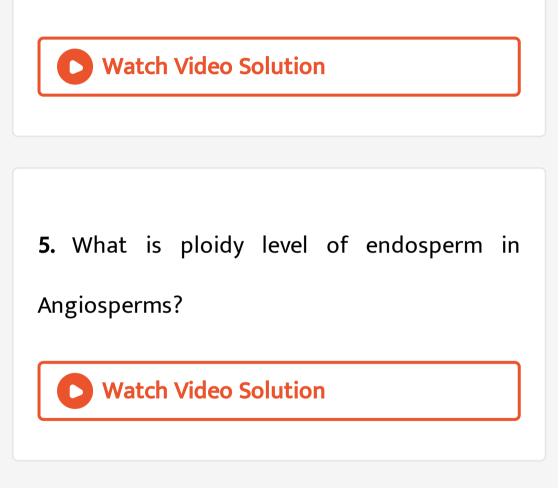


1. What is vegetative propagation?



3. What is grafting?





6. What is an eye of potato?

7. Name any three plants in which natural

vegetative propagation occurs through leaves.



8. Which is the initial stage of the sporophyte

in sexually reproducing plants?



9. Name the initial cells of the male and female

gametophytes.

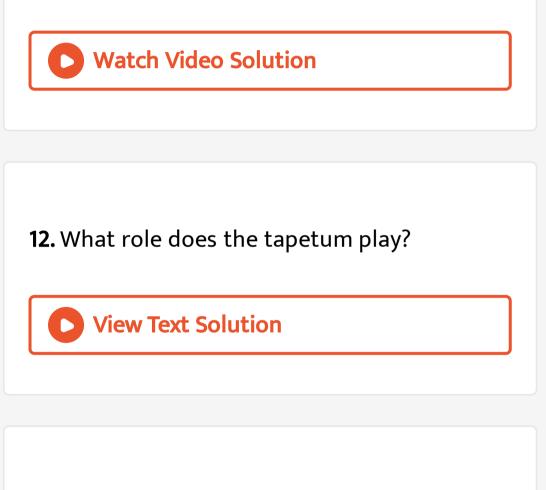
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10. State any two subaerial modifications for

vegetative propagation.

11. Which characteristics of endothercium help

in the dehiscence of the anter?

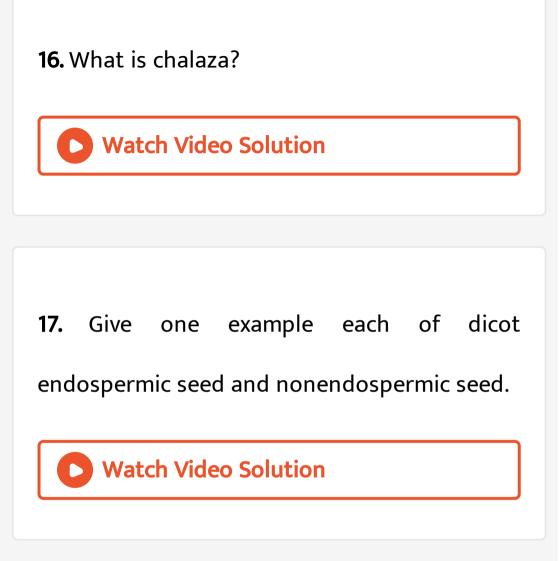


13. What is an anatropous ovule?

14. What is funicle? What is hilum?

Watch Video Solution

15. In angiosperms, during vegetative reproduction, propagules are produced. What are the characteristic features of propagules?



18. Which flowers are called ornithophilous?

19. Which plants produce needle like pollen grains?



20. What is dichogamy?



21. Formation of primary endosperm nucleus is

called triple fusion. Give reason.



22. What are slips produced by tuberous roots

during vegetative reproduction?



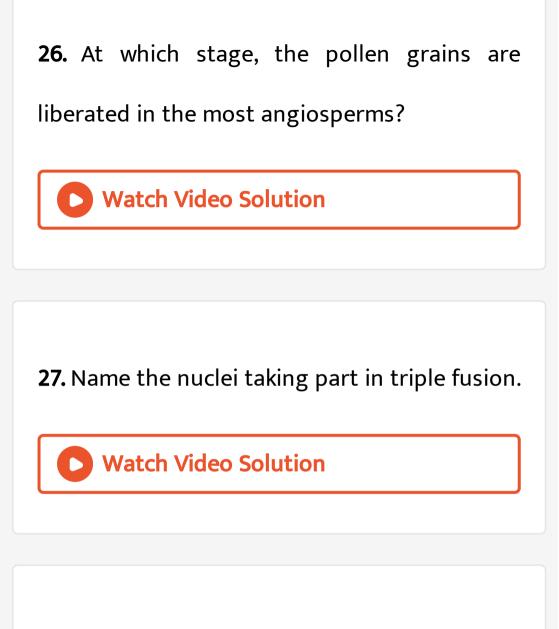
23. Enlist any two floral adaptations in Salvia.



24. Which buds sprout under favourable conditions in sweet potato to produce leafy shoot?

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25. What is stock?



28. What is egg apparatus?

29. What is meant by dispersal of seeds?



Organisms And Environment I

1. What is polyblend?

2. Which organisms are macroconsumers?

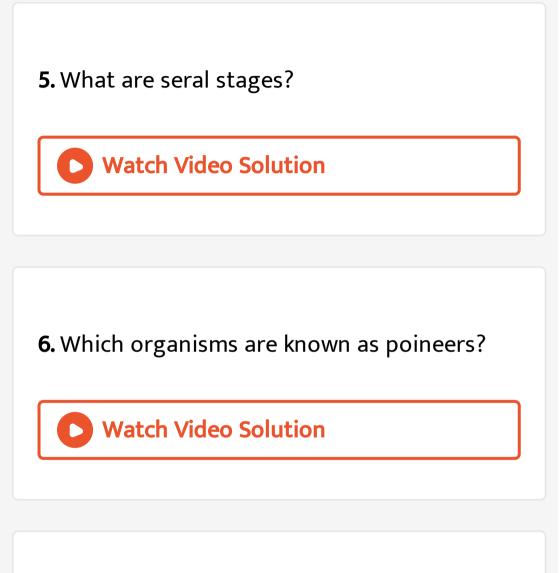


3. Name the important steps in the process of

decomposition.

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4. Enlist the important ecological services.



7. What is global warming?

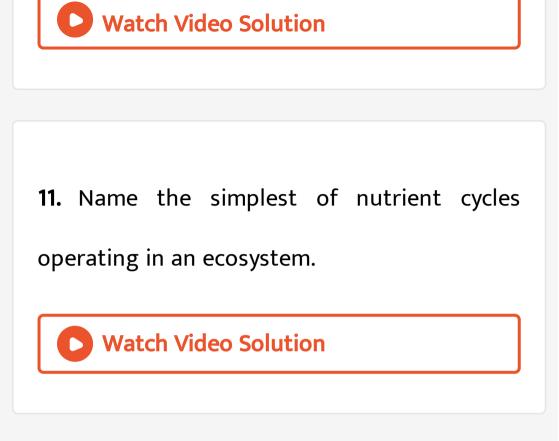
8. Which green house gas is mainly responsible for global warming?

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9. Which ozone is called a bad ozone?



10. What is ozone hole and where it is seen?



12. Which award is given by the Government of

India for showing the courage and dedication

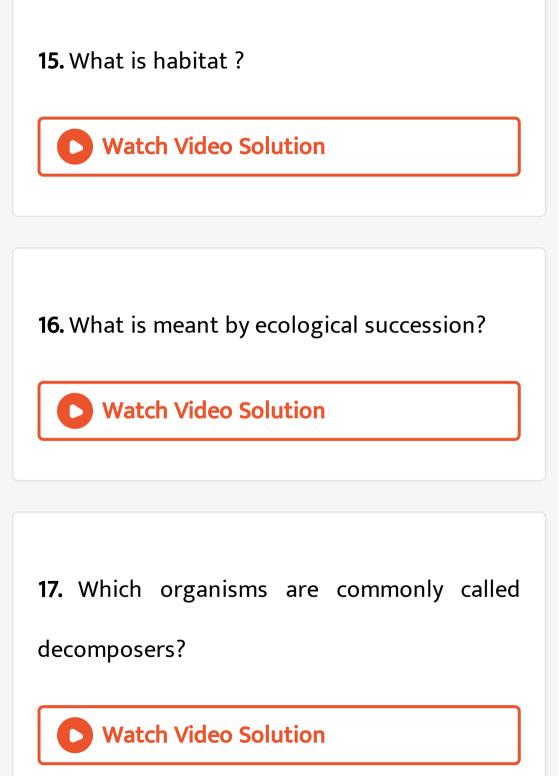
in protecting wildlife?

13. Mention any two ecological services for the

benefit of mankind.

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14. What is the role of decomposers in an ecosystem?



Origin And Evolution Of Life

1. Hugo de Vries was working with plant O. lamarkiana. He was responsible for proposing whch theory of evolutionary processess?

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2. What is protobiogenesis?

3. Name the ancestor of human which is described as a man with ape brain.



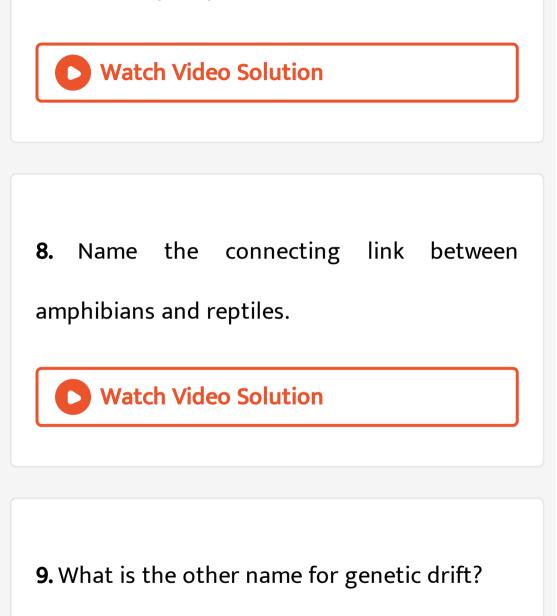
4. What is meant by coacervate?

5. What is considered as a landmark in the origin of life?
Watch Video Solution

6. While touring Galapagos islands, Charles Darwin came across some birds which exhibited variation in beaks due to variation in feeding habits. Which birds were these?



7. What are panspermia?



10. Urey and Miller's spark discharge apparatus was designed to provide experimental support for whose theory of evolution?

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11. Modern man is placed in the order Primates

of class Mammalia. Which family is he included

in?

12. Which stage in human evolution liefbetween Propliopithecus and Ramapithecus?Watch Video Solution

13. Burial of dead with due rites is considered to be an important step in human evolution. Which human was first to perform these ceremonies?

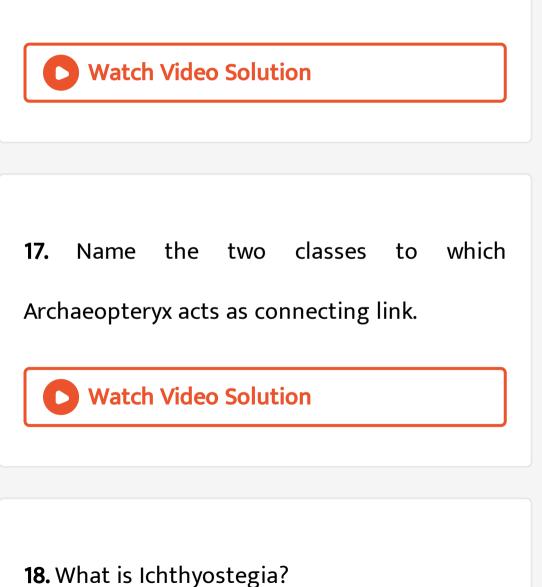


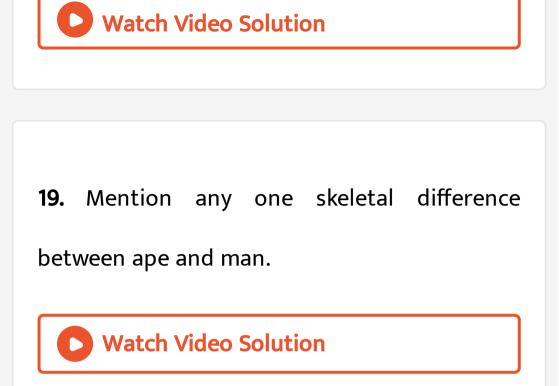
14. Which period is known for origin of amphibians?
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15. Which epoch showed rise of the first primates?

16. Name the connecting link between reptiles

and birds.





20. Who discovered fossils of Cro-Magnon at

first and from where?



21. What is meant by the term organic evolution? Watch Video Solution 22. Define organic evolutoin. Watch Video Solution 23. What is Darwinism?

24. When did life come into existence?



25. What is the modern concept regarding the

origin of life?

26. What was the kind of atmosphere on the

primitive earth?

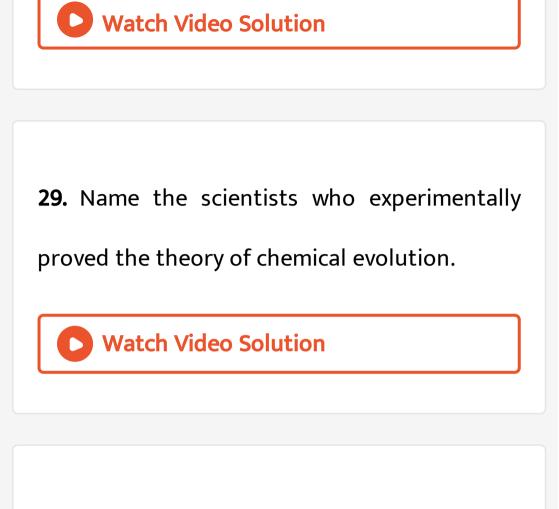
Watch Video Solution

27. Who are the forerunners of life on the

earth? Who suggested this idea?

Watch Video Solution

28. When did the earth originate?



30. What are protoproteins?

31. What are protobionts?



32. What are the three types of struggle for

existence?

Watch Video Solution

33. What is gene frequency?

34. What is a gene flow?

Watch Video Solution

35. Who called birds as glorified reptiles?

Watch Video Solution

36. Analogous organs lead to which type of evolution?



37. Which bone is remnant of tall in human

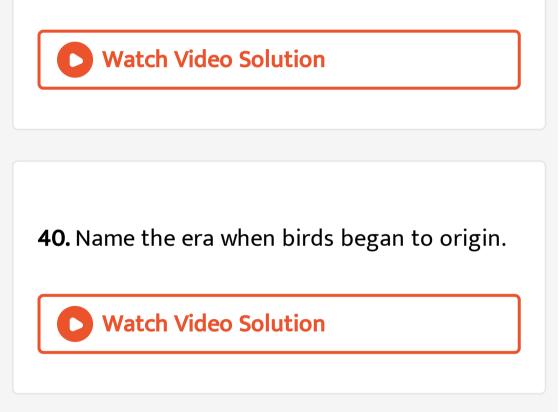
beings ?

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38. Which period is dominant for Amphibia?

39. Name the epoch when mammals were at

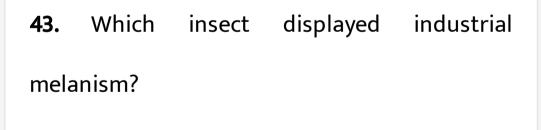
the height of evolution.



41. Define adaptive radiation.

42. Name the four types of chromosomal aberrations.







44. Who reported industrial melanism and in

which organism?

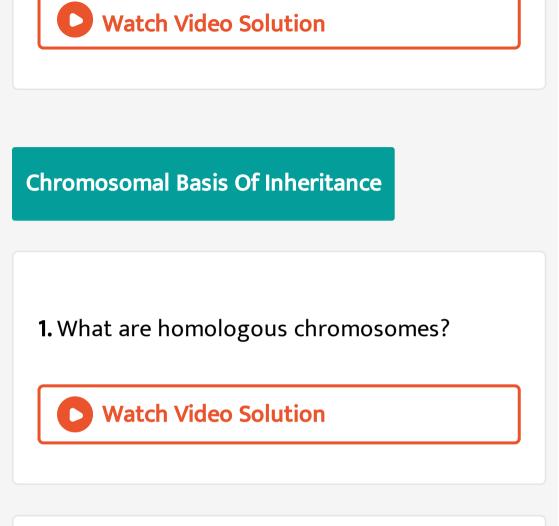
Watch Video Solution

45. Give the examples of post-mating isolating

mechanisms.



46. What are fossil mould and fossil cast?



2. What is the difference between centromere

and telomere?



3. Which part of the chromosome is called nucleolar organizer?

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4. Mention different types of chromosomes

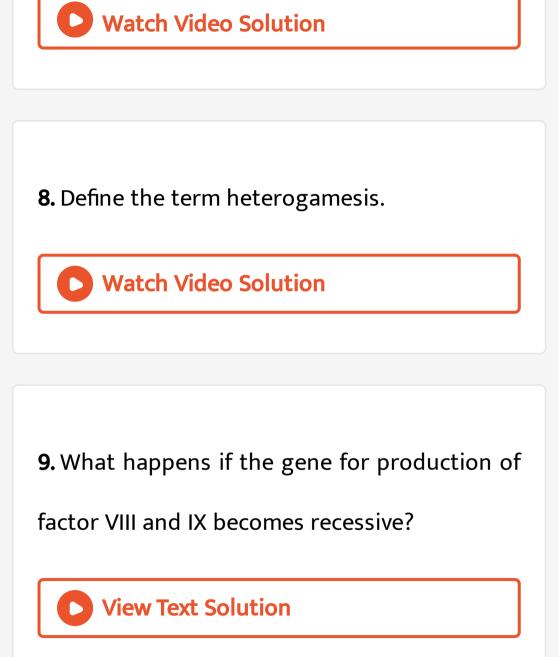
according to the position of centromere.

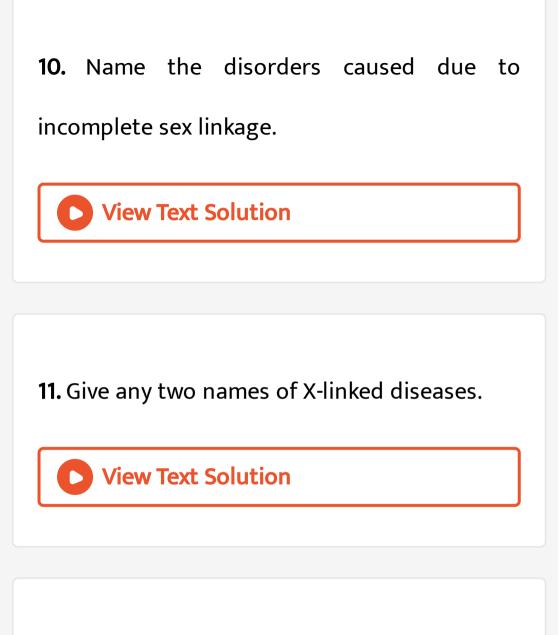
5. Why do sex-linked traits appear more in males than in females?
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6. Explain the terms homogametic and

heterogametic.



7. What is heterogamesis?





12. Give genotype of Turner's syndrome.

13. State any two symptoms of Down's

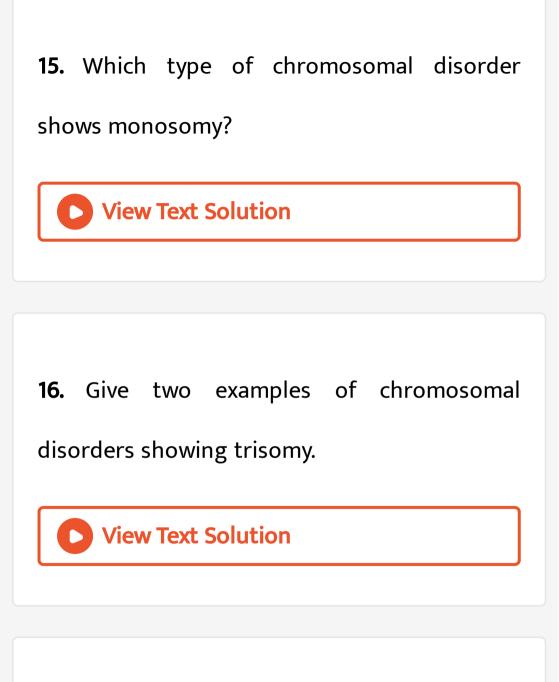
syndrome.



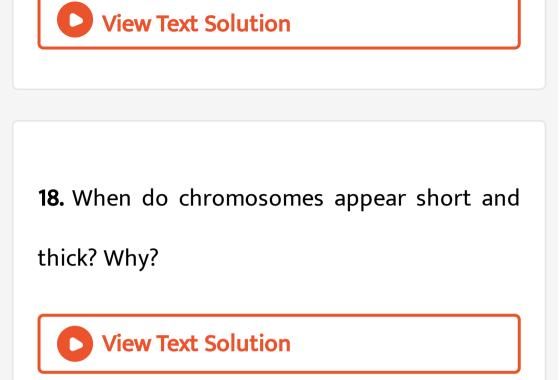
14. Give the pair of sex chromosomes in male

and female birds.





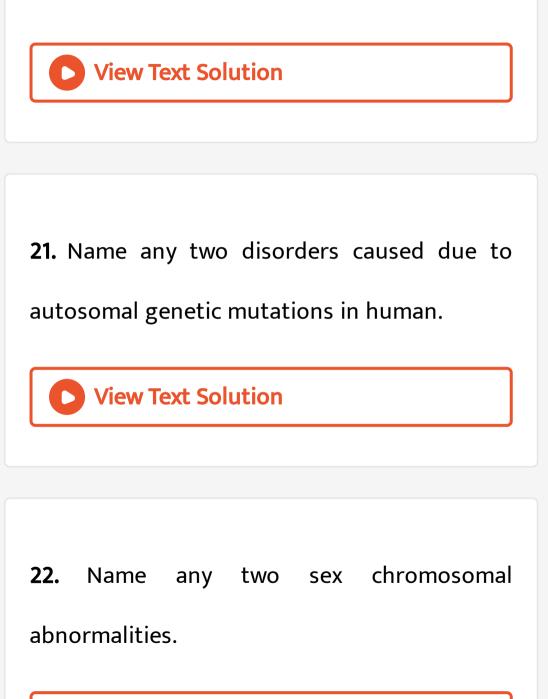
17. What is the cause of Thalassemia?



19. When are the chromosomes seen in the

form of chromatin network?

20. What is satellite in the chromosome?





23. Why are secondary constrictions called

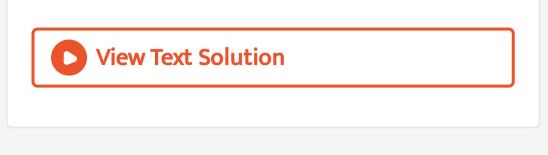
nucleolar organizers?

View Text Solution

24. Which theory was put forth by Sutton and

Boveri?

25. What is meant by euploidy?



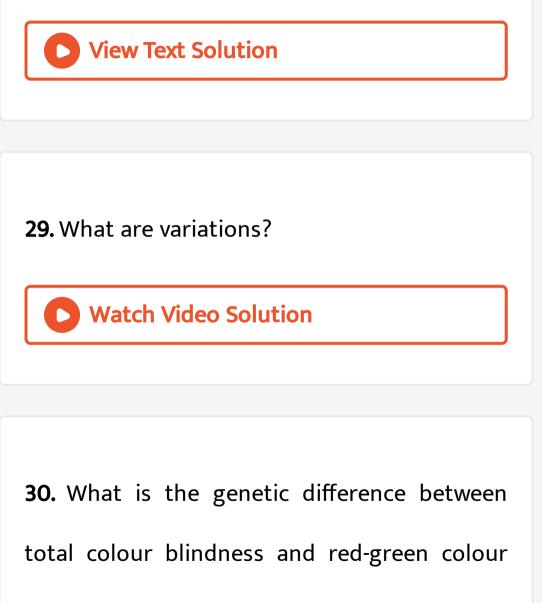
26. What is the difference between centromere

and telomere?

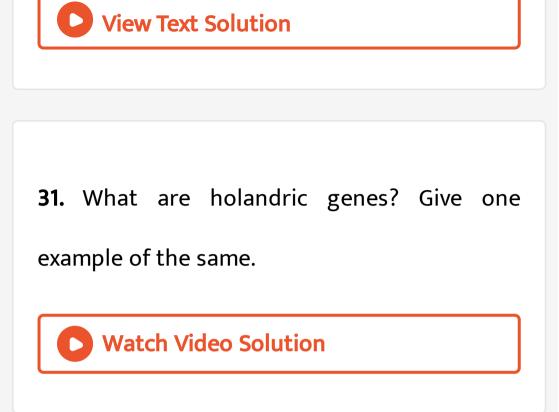
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27. What does sex ratio indicate?

28. What is PNDT Act of 1996?



blindness?



32. Which clotting factors are deficient in

bleeder's disease or haemophilia?

33. Why is Y chromosome genetically less

active?



Genetic Engineering And Genomics

1. Give the name of the process involved in

DNA fragmentation.

2. Name the hormone purified from dog's

pancreas by Banting and Best.



3. What does abbreviation HGP stand for?



4. What is the probability of having similar

sets are VNTRs in any two individuals?

5. Though we inherit parental genes, we differ

a lot from our parents, justify the statement in

one sentence.

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6. On which technique DNA fingerprinting is

based?

7. Identify the word which is so called for the

unique genetic makeup of every individual.

View Text Solution

8. Suggest the word (for the process) when DNA sample is subjected to restriction endonuclease.

9. Name the two types of maps generated by HGP. **View Text Solution 10.** Write down the full form of RFLP. **View Text Solution 11.** Which is a key factor in DNA profiling?

12. Name the radioactive probe used in India

for DNA fingerprinting.



13. Mention the first vaccine developed against

any human diseases.



14. What is the blueprint of humanity?



15. (dsDNA) is split into (ssDNA) by alkaline chemicals. Identify the steps involved in this technique.



16. What is the use of tissue plasminogen activator?Watch Video Solution

17. Which material is used for isolation of DNA

in fingerprinting technique ?

18. Which growth hormone is used to enhance

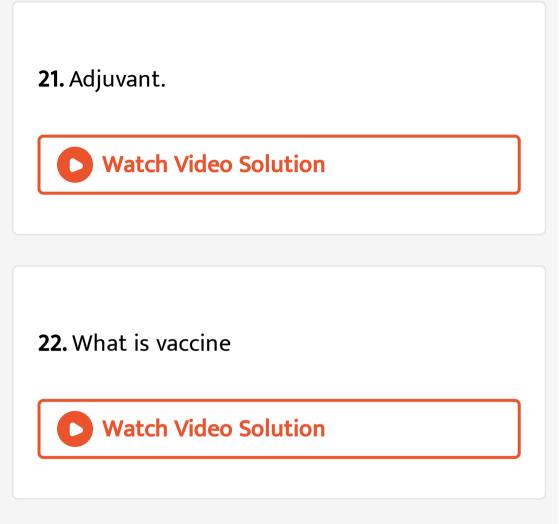
dairy productivity?

View Text Solution

19. Give the use of bovine growth hormone.

Watch Video Solution

20. Write benefits of transgenic animals.



23. Which paper is used for Southern blotting?

24. Genomics

Watch Video Solution

25. Which chromosome was uesd by Dr. Lalji

Singh for obtaining radioactive DNA probe?



26. Who produced the first vaccine and against

which diseases was it produced?

Watch Video Solution

27. Which was the first transgenic cow? What

was her speciality?



28. Restriction digestion.



29. Which organism is used in the production

of insulin?

Watch Video Solution

30. What is VNTR? Who isolated them?

31. Define the term genome. And Who gave the

term genome?

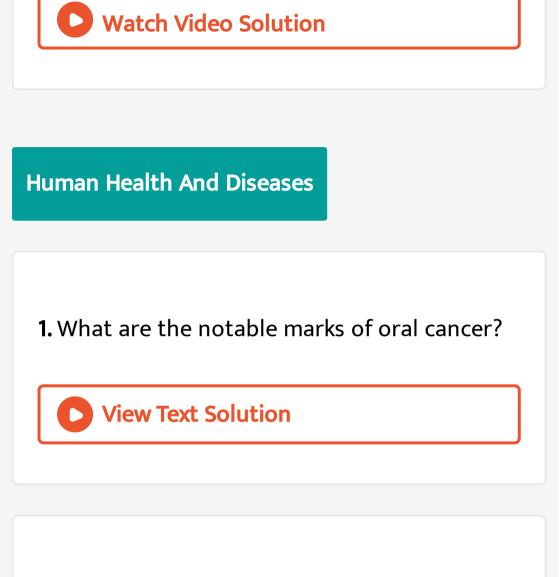
View Text Solution

32. What is the actual number of genes found

by HGP in the human genome?

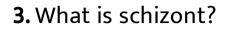


33. What is diabetes mellitus?



2. How antibodies are transferred in natural

acquired passive immunity?





4. Answer the following questions only in 'one sentence each :

Name the type of T-lymphocyte which secretes

perforins?

5. Give any 'two' modes of transmission of

amoebiasis.

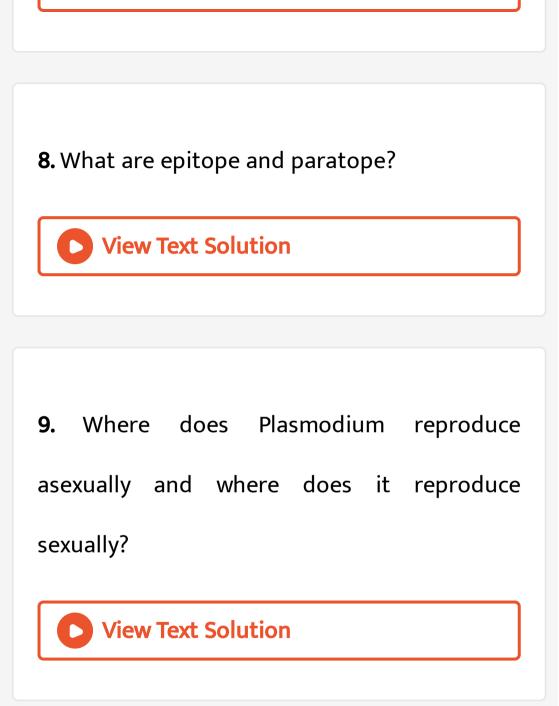


6. What are the meanings of arthralgia and

hepatomegaly?

Watch Video Solution

7. What is the meaning of HAART?



10. Name the worms that cause lymphatic filariasis.

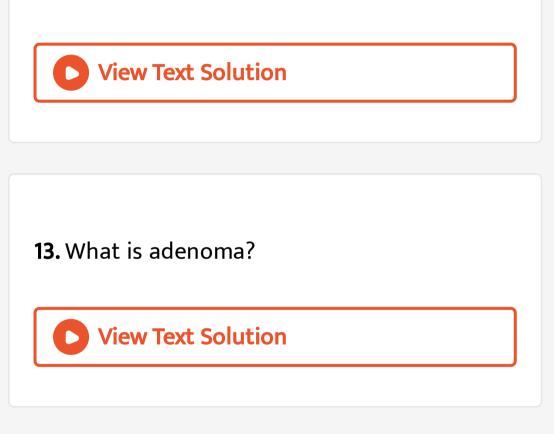
View Text Solution

11. Which are the most common genera of

dermatophytes that cause fungal infections?

12. What are ascaricides? Give examples of the

same.



14. Name the term for the transmission of HIV

from pregnant mother to foetus.



15. What are the factors that maintain good health?

View Text Solution

16. Name the bacteriolytic enzyme present in

the tears.

17. By which process are T cells and B cells

produced?



18. Which cells secrete perforin and what is its

function?

View Text Solution

19. Name the cell that produces lymphokines.





20. Name the scientists who discovered AB

blood group.

View Text Solution

21. Which antigen is present in the RH + ve

person?

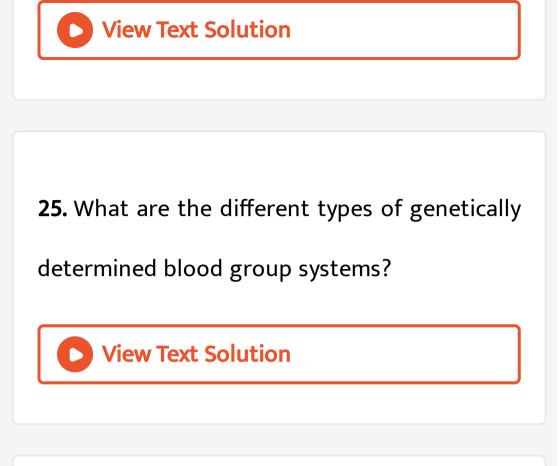
22. Why male mosquito does not spread malaria?



23. Name the process in which a tumour successfully spreads to the other parts of the body, grows and destroys healthy tissues.



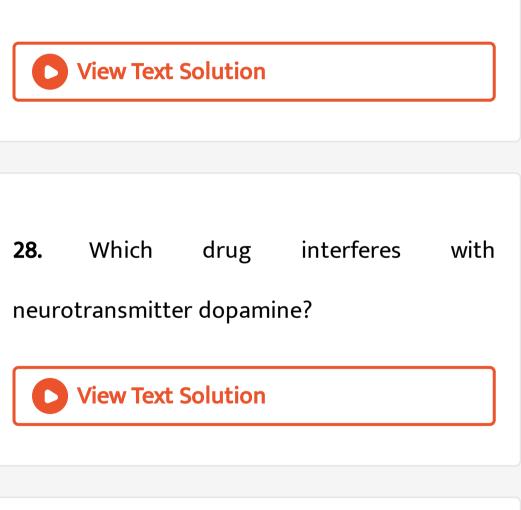
24. What is serology?



26. How is heroin or smack obtained?

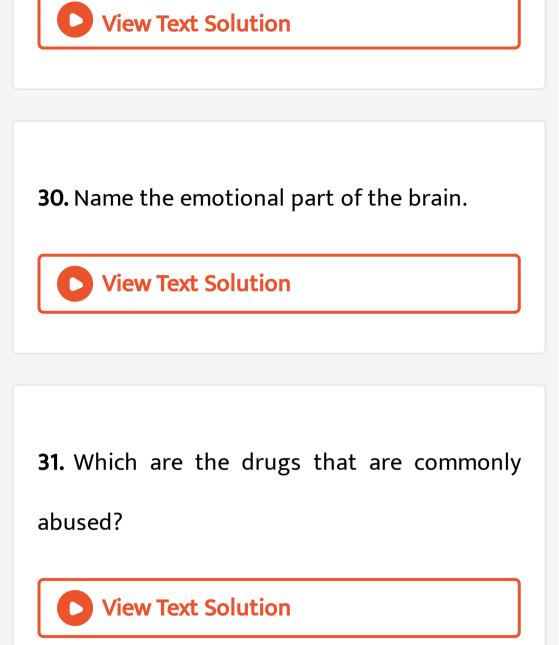
27. What does inflorescence of Cannabis sativa

yield?



29. Which plant yields LSD?

Г



32. Name the sexually transmitted disease

caused by Treponema pallidum.

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Animal Husbandry

1. Enlist the components of silage and what is

supplimentary food for silage?

2. Name the Indian field crops which have increased productivity due to honeybees.

 View Text Solution

3. What is the major achievement of animal breeding?

View Text Solution

4. Name the viral diseases in poultry animals.





5. On the basis of origin write the various

poultry breeds used in poultry.

View Text Solution

6. Enlist parasitic diseases of poultry.

7. What is the main aim of farm management?

View Text Solution	

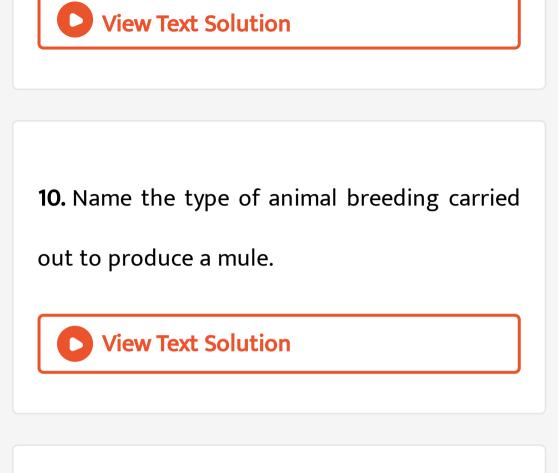
8. Name the breeds of cow that are used for

dairy in India.

View Text Solution

9. Give the scientific names of silkworm and lac

insect.



11. Give two varieties of silk which are

considered as of inferior quality.

12. Mention any 'two' methods used to prevent

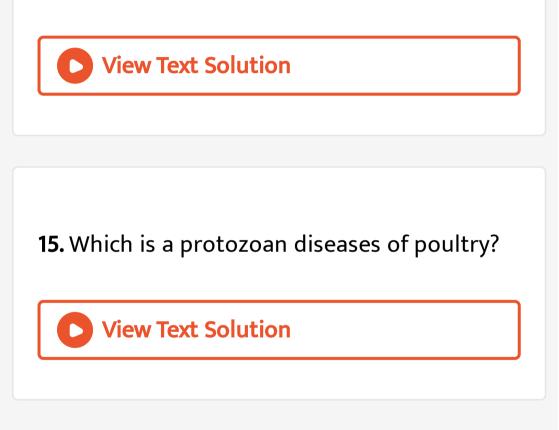
spoilage of fish.



13. What is the common name of Apis mellifera?

14. Visit of a veterinary doctor to a dairy farm

is mandatory. Give reasons.



16. Name the viral diseases in poultry animals.

17. Which is a new breed of sheep developed in Punjab and to which varieties do its parents belong?

View Text Solution

18. Which hormone is used in MOET

technology? Why?

19. Which are domesticated species of

honeybees?



20. Give the scientific names of rock bee and little bee.



21. Why are prawns and lobsters considered as

important fishery resources?

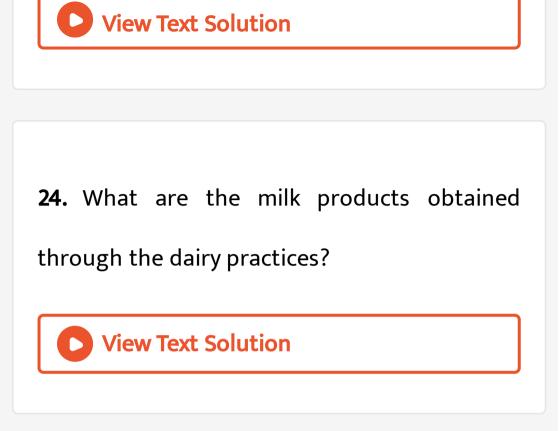
View Text Solution

22. Name the three types of silk obtained from

silkworm.



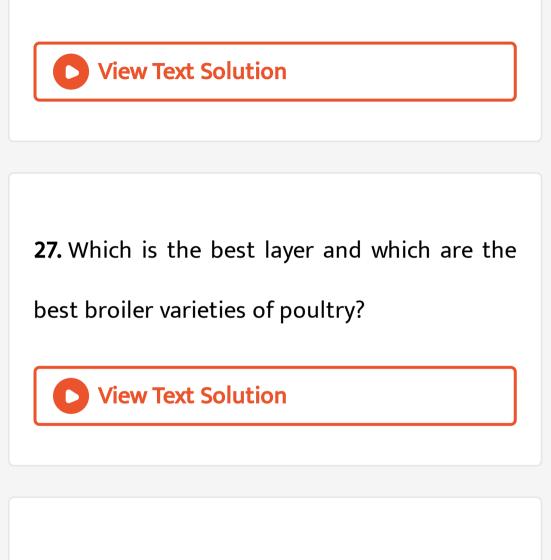
23. Name the six breeds of buffalo in India.



25. Name the products other than milk

products obtained by dairy farming.

26. What is a breed?



28. What are the uses of lac?

29. What are the various products obtained by

bee keeping?

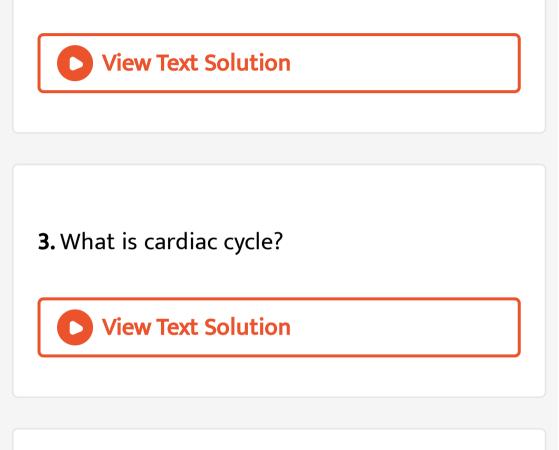
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Circulation

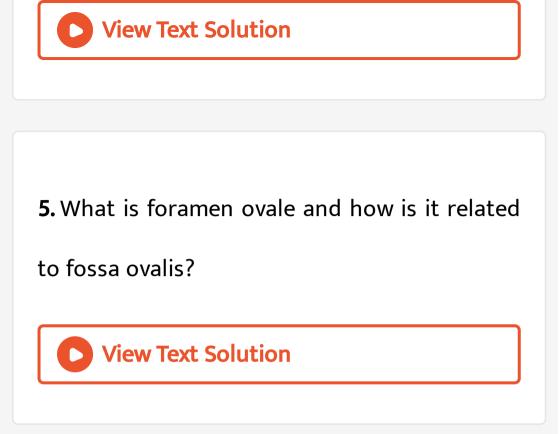
1. What is diapedesis?



thrombocytes.



4. Name the connection between the pulmonary trunk and systemic aorta. What does it represent?



6. Name the valve between left atrium and left

ventricle and give its significance.



7. Why pulse rate is higher in children than adults?



8. Why does left ventricle possess thicker wall

than the right ventricle?

9. What is the difference between chordae

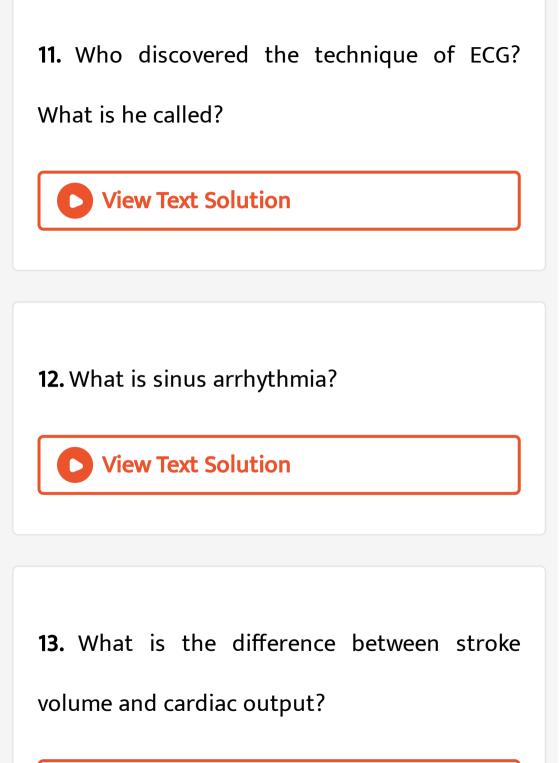
tendinae and columnae carnae?

View Text Solution

10. Which disorder is commonly called silent

killer?







14. Name the neurotransmitters that decrease and increase the heart rate in human beings respectively.

View Text Solution

15. What is angina pectoris?

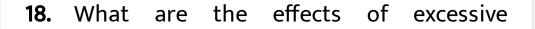
16. Raju was suffering from following symptoms, heaviness in the chest, also in the region of neck, lower jaw, left arm and left shoulder. What does this indicate?



17. What is the difference between tachycardia

and bradycardia?





hypertension?



19. In this electrocardiogram which wave

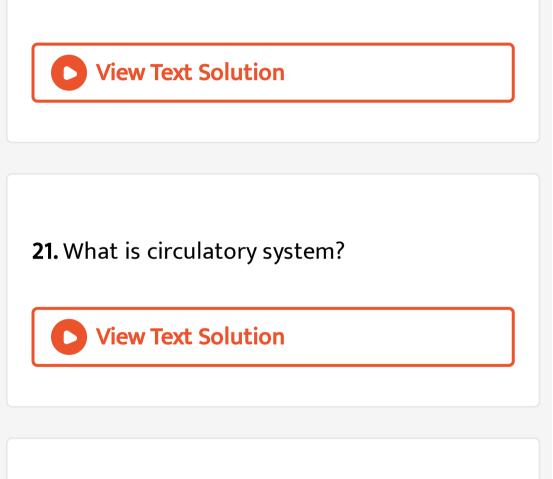
represents ventricular diastole.





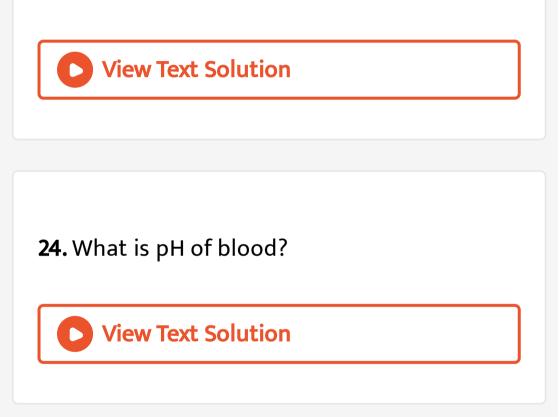
20. Mention the role of pacemaker in human

heart.

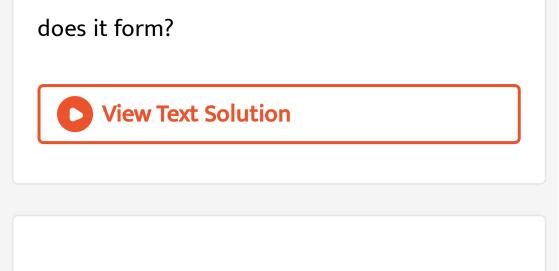


22. What is haematology?

23. What is double circulation?



25. How much blood is present in the human body and what percentage of body weight



26. What is the percentage of plasma in the

blood and how much water does it contain?

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27. What is the average life span of RBCs?

28. What is normal RBC count and total WBC

count?

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29. What is erythropoiesis?

View Text Solution

30. What is increase in the RBC number called?

31. Name the process of formation of white blood cells.



32. What is leucopenia and erythrocytopenia?



33. What is the difference between anaemia and leukaenia? **View Text Solution** 34. Which WBC is called scavenger? Why? **View Text Solution**

35. Name the space in which human heart is located.



36. Name the layers of peritoneum that surrounds the heart sequentially from outside to inside.

37. What are the three layers of heart wall?

View Text Solution

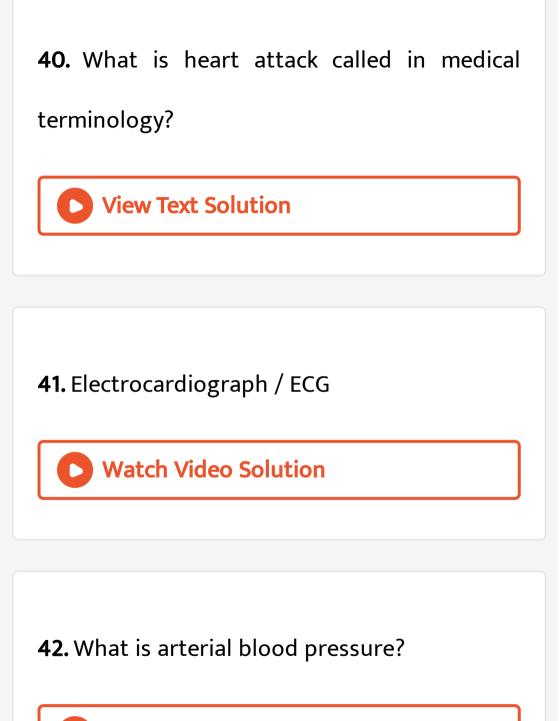
38. Which are upward deflections in electro-

cardiogram?



39. Why QRS complex is a downward

deflection?

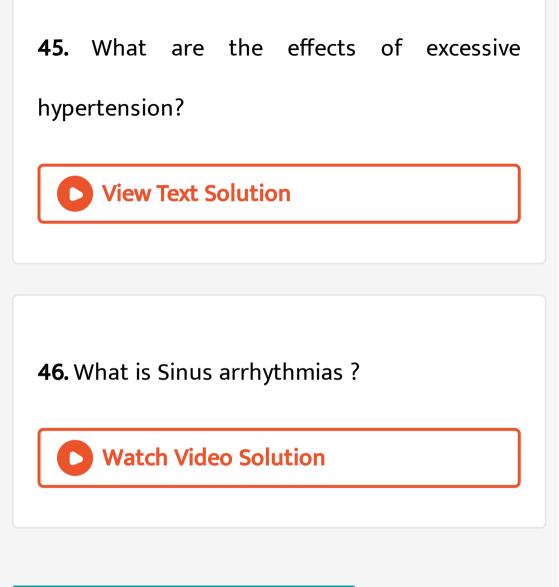


43. Name the instrument used to measure

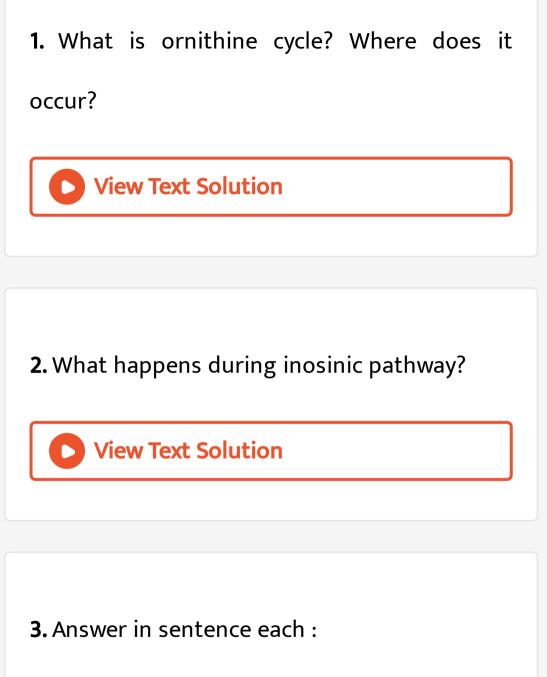
blood pressure.



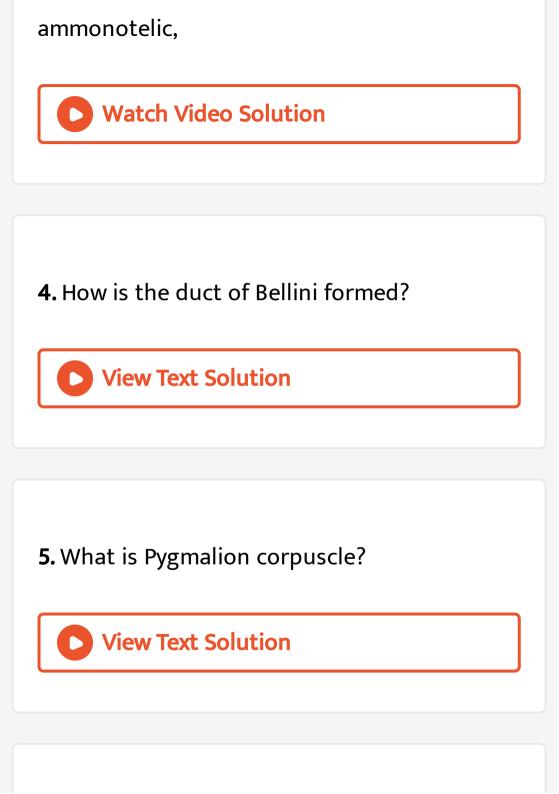
44. When is a person described as having hypertension?

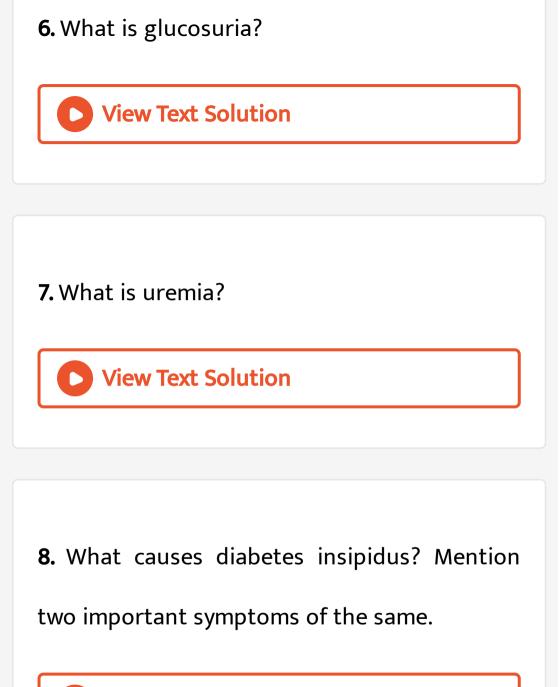


Excretion And Osmoregulation



Why aquatic animals can afford to be





9. Which hormone like substances are secreted

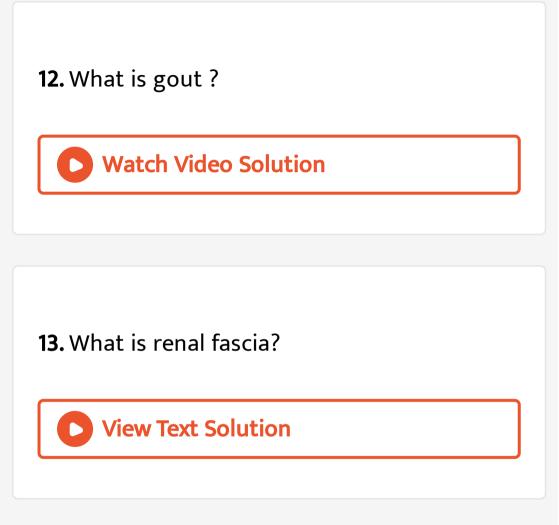
from kidney?

View Text Solution

10. What is cadaveric transplantation?

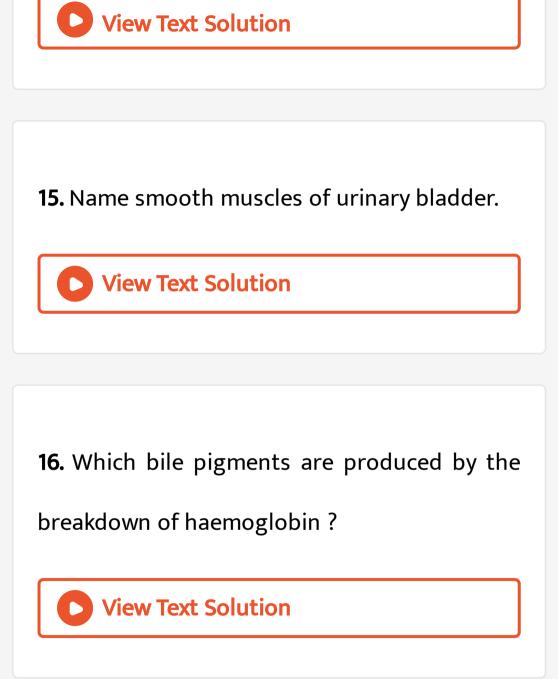
View Text Solution

11. What is the synonym for Bright's disease?

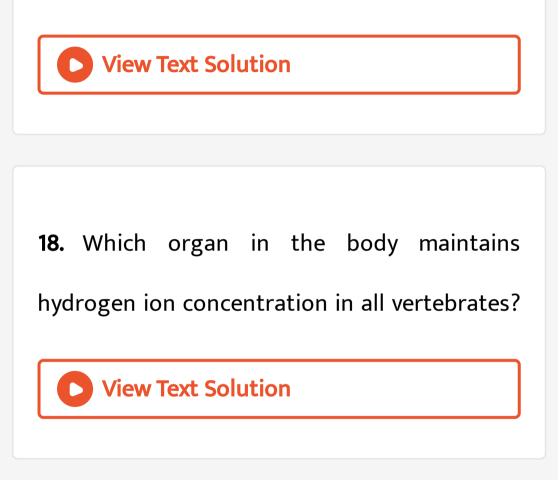


14. Name the enzyme secreted by JG apparatus

and write its function.

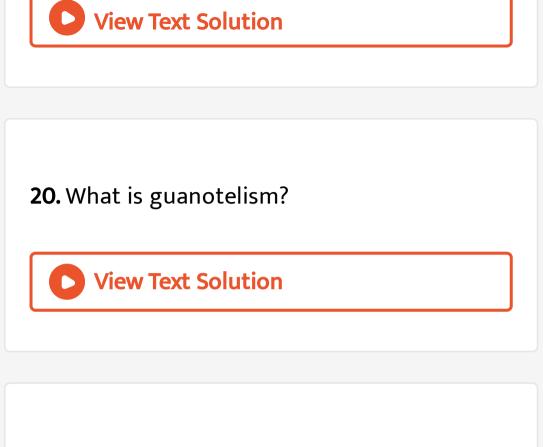


17. How does skin take part in excretion?



19. In aquatic invertebrates, how much water is

required to eliminate 1 gram of ammonia?



21. Name some guanotelic animals.

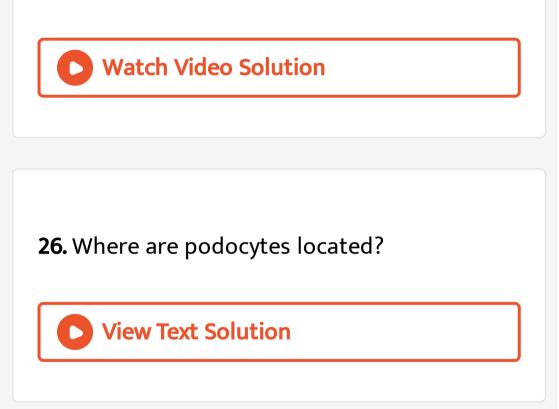


22. What is formed by the breakdown of purine and pyrimidine in the human body?
View Text Solution
23. Why are kidneys called retroperitoneal?

View Text Solution

24. What is the capacity of urinary bladder?

25. What are columns of Bertini?



27. Which substances are pumped out of PCT?

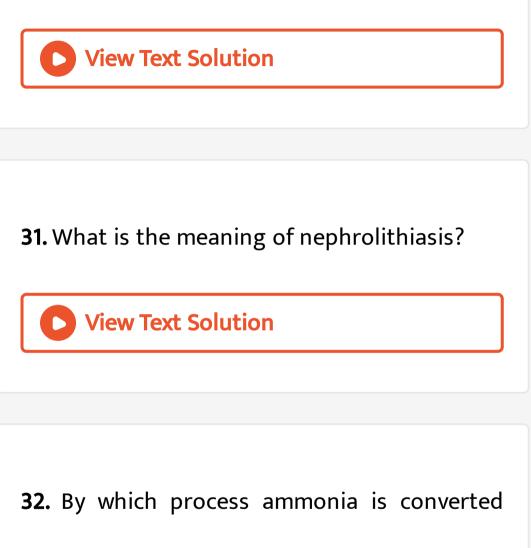
28. How many nephrons are present in each kidney and that is the length and diameter of each?

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29. What are the three types of AKI (Acute

Renal Injury)?

30. What is the meaning of ureterolithiasis?



into urea in liver ?

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Control And Coordination

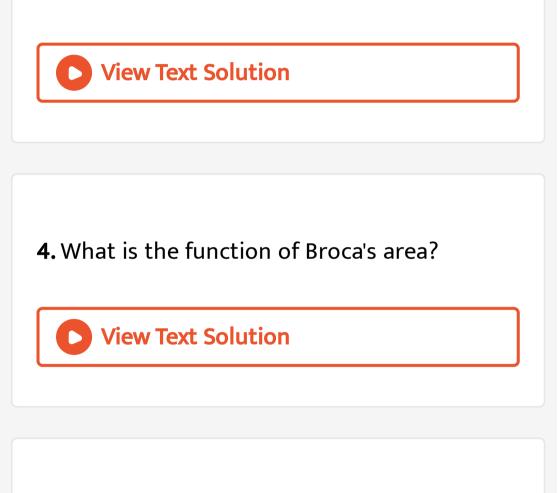
1. Enlist meanings of human brain.



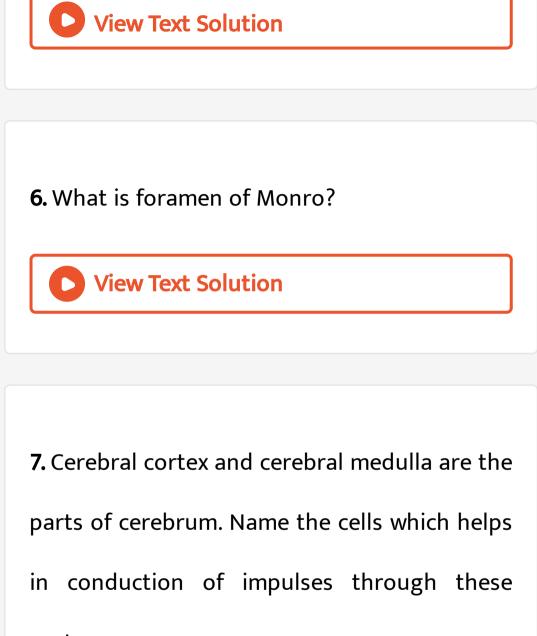
2. Give names of ear ossicles.

3. Where is general motor area located? What

is the function of this area?



5. Which regions/cells secrete cerebrospinal fluid?



parts.



8. Autonomic Nervous System is semiindependent in function. Justify.

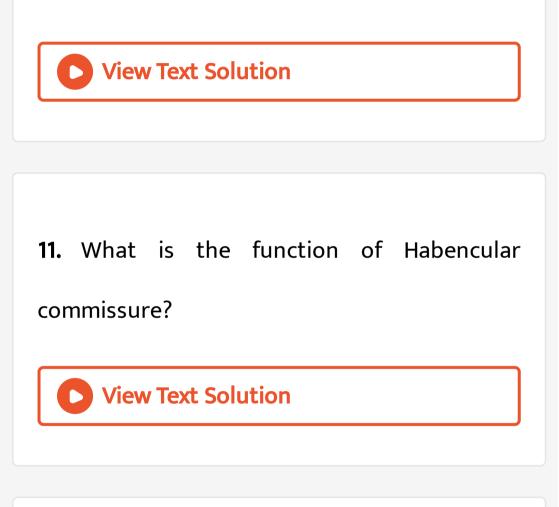
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9. Both cerebral hemispheres are

interconnected by corpus callosum. Why?

10. Name the part of the brain completely

convered by cerebral hemispheres.



12. What are the parts of the brain stem?

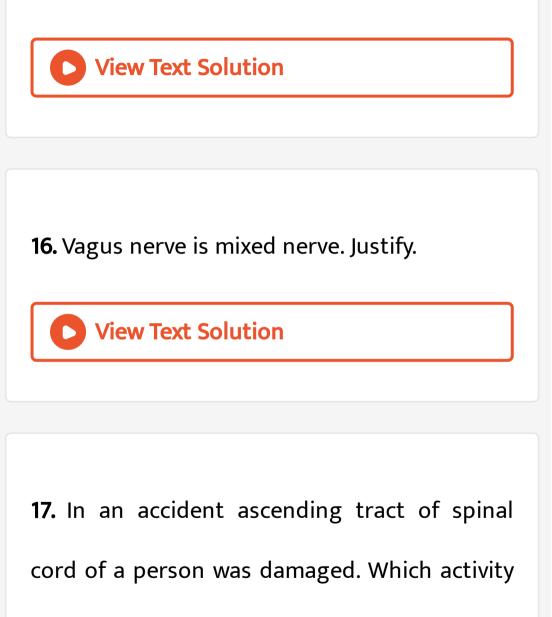


13. Which cranial nerve is called a dentist nerve?

View Text Solution

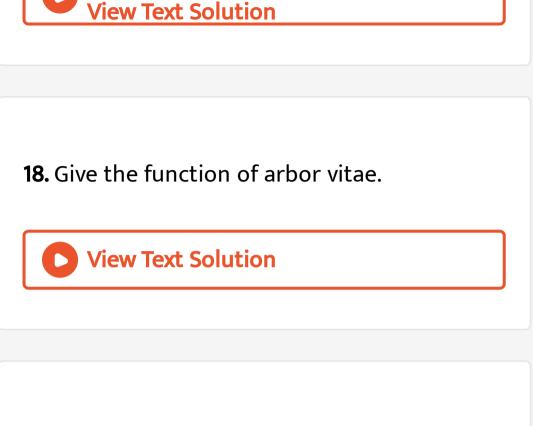
14. Give names of cranial nerve numbers VI^{th} and VII^{th} .

15. Give examples of unconditional reflexes.



will be hampered?



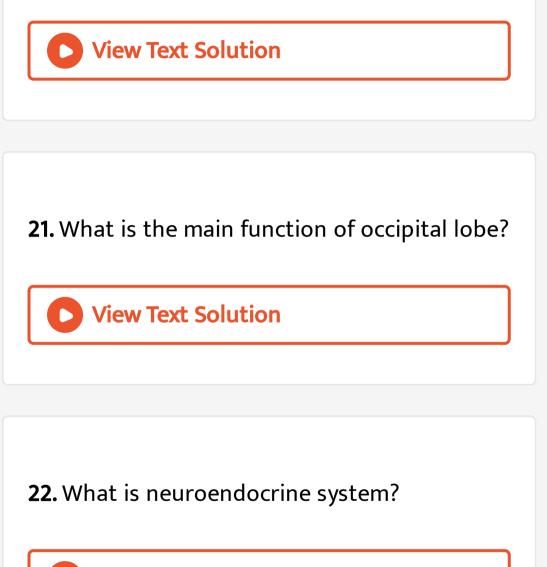


19. Which areas are present in the post central

gyrus?



20. Which areas are located on temporal lobe?



23. Which embryonic germ layer gives to central nervous system?

24. What is the quantity of cerebrospinal fluid

in adult human beings?



25. What kind of nervous system is seen in

Hydra, earth-worm and cockroach?

View Text Solution

26. How many neurons are present in the

brain?



27. Which part of the brain forms 80-85% of

the brain?

View Text Solution

28. Which sense is poorly developed in human

beings and what is the reason for this?



29. Name the largest commissure present in

human brain.

View Text Solution

30. Where are lateral ventricles situated and

what is its roof called?



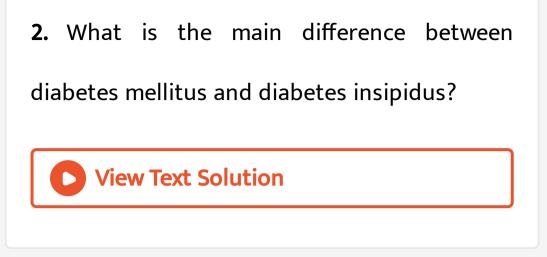
31. Name the three sulci present on the cerebral hemispheres.

View Text Solution

Hormonal Coordination

1. What is the difference between Lorain dwarf

and Frohlic dwarf?



3. Which cells secrete coherin? What is the

function of coherin?



4. Name the disorder caused by the under

secretion of thyroxine in children.

View Text Solution

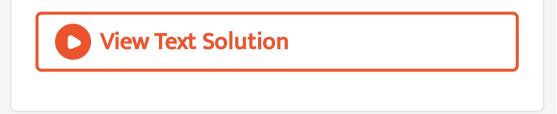
5. Name the hormones that regulate the

calcium balance.



6. Name the dual exocrine as well as endocrine

gland. Which hormones does it secrete?

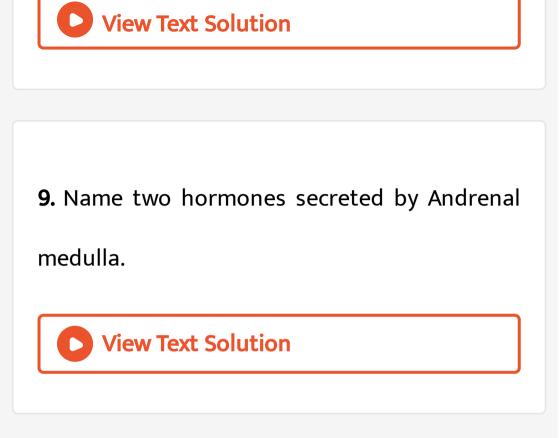


7. Which hormone is secreted by heart when

blood pressure increases?



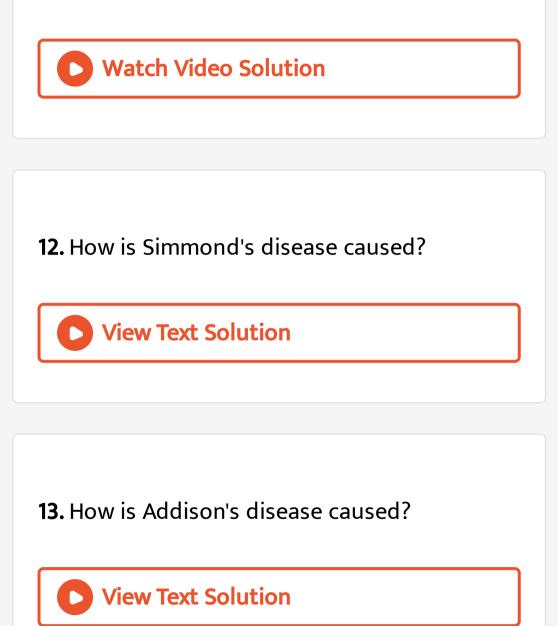
8. Name different regions of Adrenal cortex.



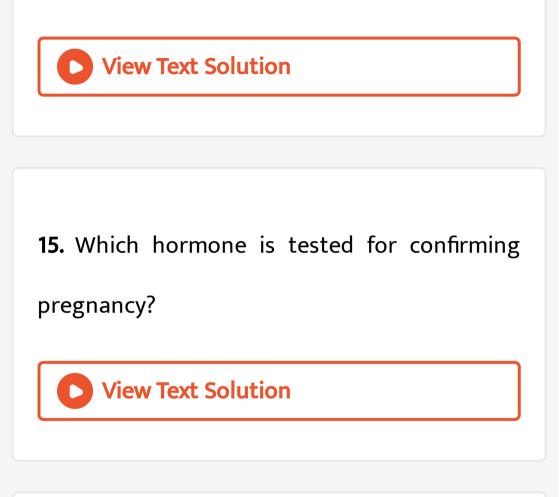
10. Which cells of pancreas secrete hormones?



11. Where is pituitary gland located ?

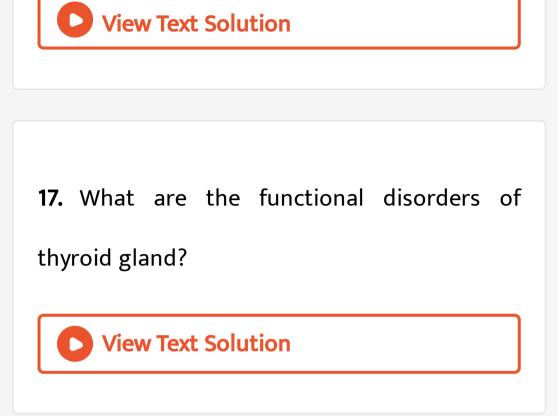


14. How is Cushing's disease caused?



16. Name the hormones secreted by corpus

luteum.



18. Name the four peptide hormones secreted

by endocrine cells of alimentary canal.

19. What is the difference between Gull's

disease (Myxoedema) and Grave's disease?



20. What is the cause of diabetes insipidus?

What is the symptom of it?

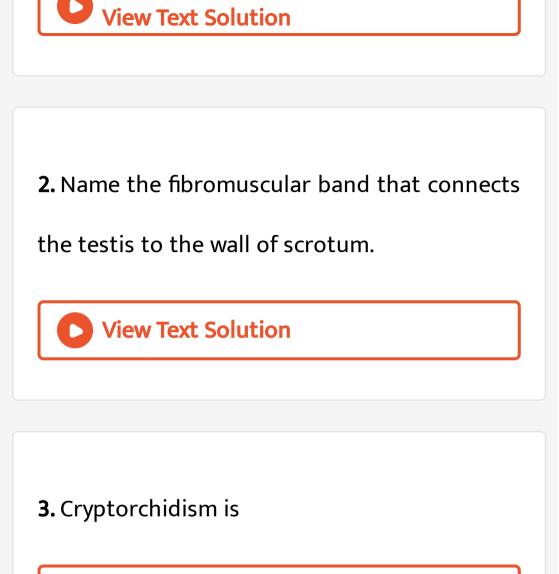
21. A person is showing symptoms like increased BMR, heart rate, blood pressure and deposition of fats in eyes sockets . Name the disease he is suffering from .

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Human Reproduction

1. Which muscles form the wall of the scrotum?







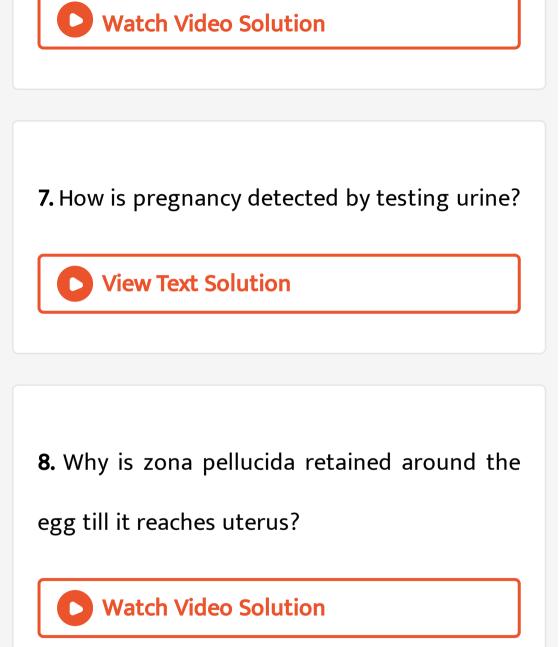
4. Name the substance present in the semen which causes contractions of female reproductive tract at the time of fertilization?



5. Mention any 'two' functions of uterus?



6. What is the function of acrosome ?



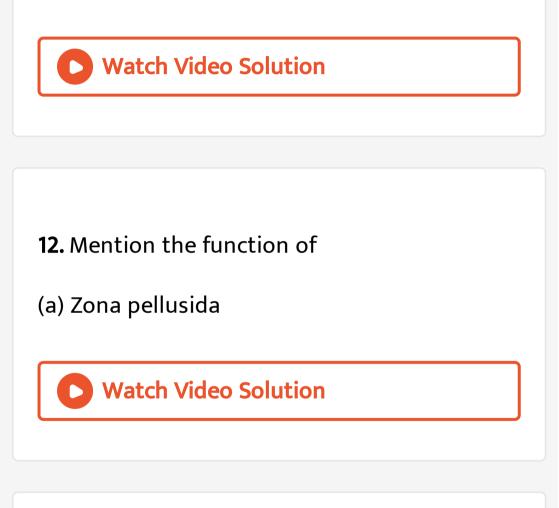
9. A mother of one year old daughter wanted to space her second child. Her doctor suggested CuT. Explain its contraceptive actions.

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10. What is the full form of IVF ?

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11. What does 'IUCD' indicate ?



13. What will happen if Zona Pellucida gets damaged accidently?



14. Write the function of each of the following

(a) Seminal vesicle

(b) Scutellum

:

(c) Acrosome of human sperm.

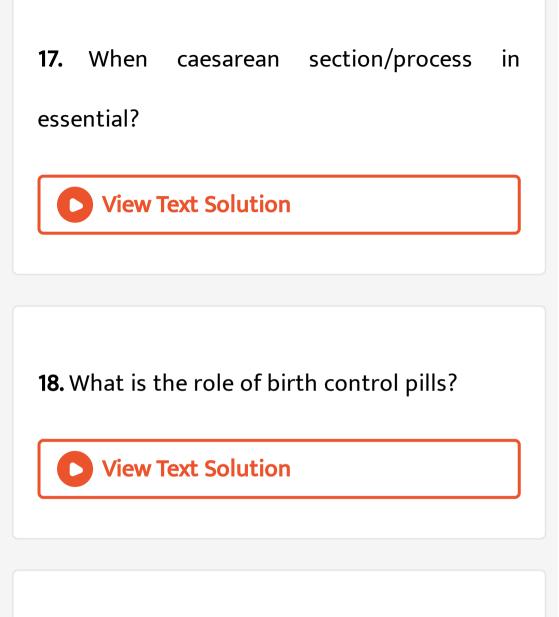
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15. The entrance to oviduct of a lady is blocked,

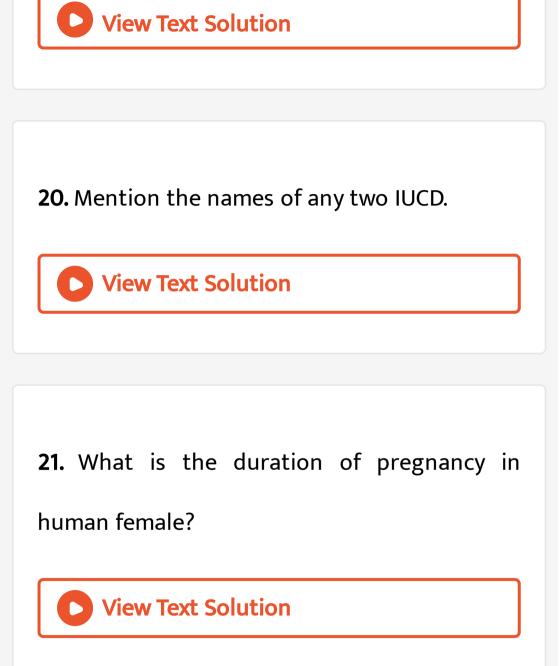
she wants child. Which method will help her?

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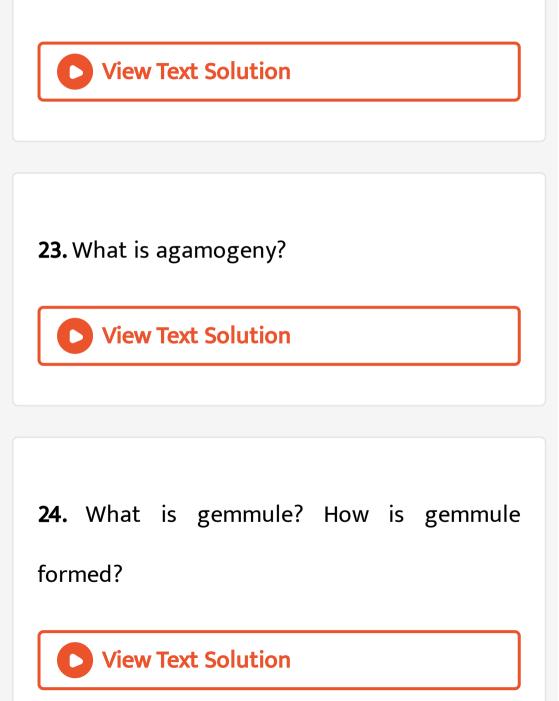
16. How many primary spermatocytes and occytes are required for formation of 100 spermatozoa and ova?



19. Which hormonal secretion is inhibited by birth control pill?



22. What is the significance of implantation?



25. What is the function of Sertoli cells?

View Text Solution

26. What is the function of interstitial cells of

Leydig?



27. Name the two postero-lateral tissues present in the penis. **View Text Solution** 28. What is lactation? **View Text Solution**

29. What is colostrum?

30. From which germinal layer the nervous

system is derived?



31. What is the beginning of the menstrual cycle called?



32. Which part of female genitalia are respectively homologous to scrotum and penis in males?

View Text Solution

33. Name the gland in females which is homologous to Cowper's gland. Mention its function.

breasts?



35. Where is milk stored in the breasts?



36. Name the ligaments that keep uterus in

place.





37. Which stage is called mature Graafian

follicle?



38. Name the three layers of the uterus.

39. What are the dimensions of fully formed

human placenta?

View Text Solution

40. Give thhe functions of scrotum .

Watch Video Solution

Organisms And Environment li

1. Why are only left ovary and oviduct present

in birds?

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2. Who gave the competitive exclusion

principle? What does it state?

3. What will happen if predator population
becomes more efficient?
View Text Solution

4. State the interaction in two leopards

running to catch a deer as their food.



5. Introduction of an exotic breed destroyed a lawn. What may be the name of possible species?

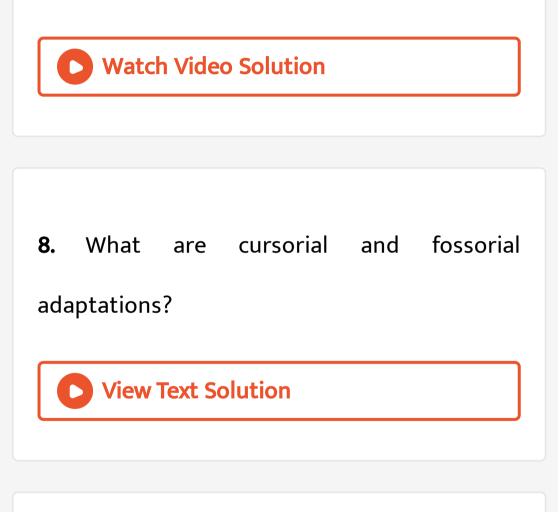


6. What is the effect of tobacco smoke on

respiratory tubules in man?



7. State the cause of Minamata disease.



9. Major source of air pollution is

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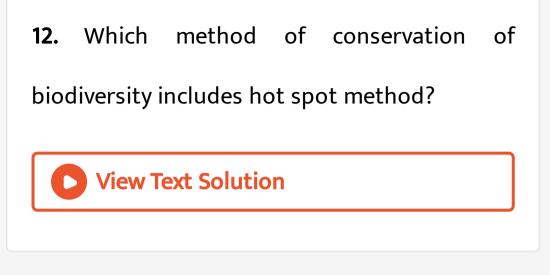
10. What is Red Data Book?

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11. Name the gas which caused the Bhopal gas

tragedy in 1984.





13. What is PUC certificate mandatory for all vehicles?



14. Give any two examples of commensalism.



15. Give any two examples of endangered species.

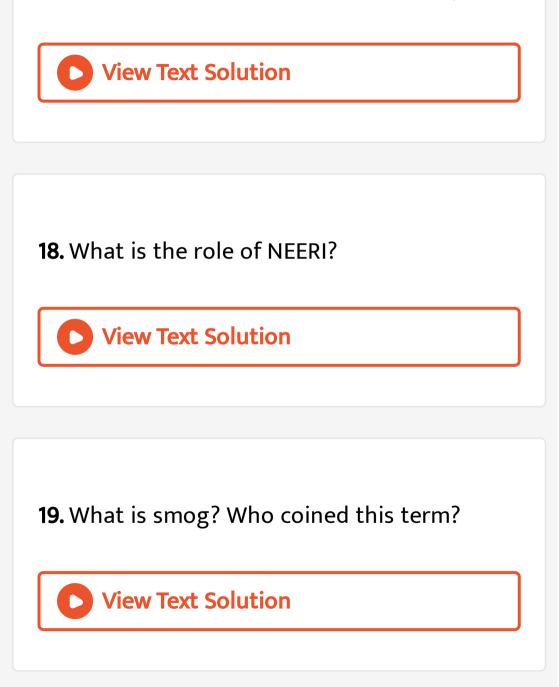
View Text Solution

16. Longer toes and long prehensile tail

indicate which adaptation ?

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17. State the formula to calculate Natality.



20. Which is the place having highest sulphur

dioxide pollution in Mumbai?



21. Which city has highest concentration of

suspended particulate matter in the air?

22. Which city has the highest concentration

of carbon monoxide pollution?



23. Which is the most polluted river of India?

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24. What is population?

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25. What is the effect of selenium on human

body?



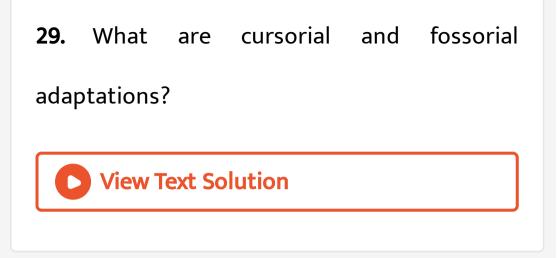
26. What is the effect of cadmium on human

body?

27. What is the effect of arsenic on human body?

28. Give one point of distinction between population and community.





30. Which animals show longer loop of Henle?

Why?



31. Name any two volant adaptations.



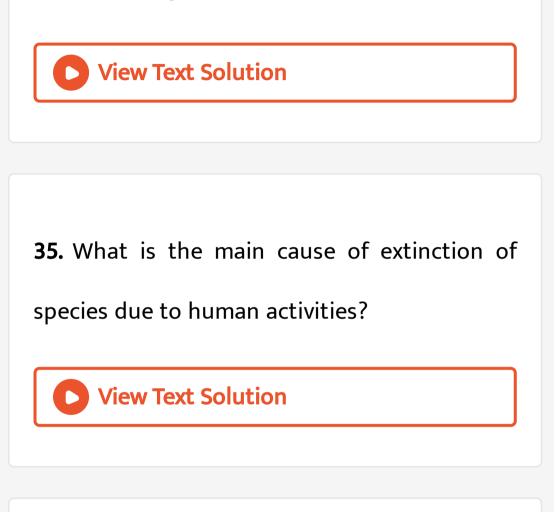
32. What are the main factors that decide the

density of a population?

View Text Solution

33. What is the difference between emigration

and immigration?



36. Give two examples of vulnerable mammal

species.





37. Give two examples of animals belonging to

rare species.

